



NATIONAL
GEOGRAPHIC



BUMPER
BOREDOM-
BUSTING
FUN STUFF!

KIDS



Pet

SPECIAL!

MAKE IT



HISTORY'S
GREATEST
HITS

EMMELINE
PANKHURST

SAVE
THE
ANIMALS



COOL
DINO
FEET!

DO YOU WANT TO BE LIKE DR. JANE?

JOIN **ROOTS & SHOOTS** TODAY

Join Dr. Jane Goodall's global network of young people in more than 130 countries taking action to improve our world!

Organise a mobile phone recycling drive!

Adopt and become a chimp guardian!

Educate others about sustainable palm oil!

Raffle a toy chimp or hold a bakesale!

Plant a tree or garden at your school!



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By joining Dr. Jane's Roots & Shoots, you will:

- get a Resource Kit with ideas on how to make a difference, campaign information and fundraising tips
- be part of a special group of kids changing the world in Australia and around the globe
- get information on upcoming opportunities for young leaders
- help protect chimpanzees, save their habitat and support African communities



Robert Ratzer

Join or donate online today:

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rootsandshoots@janegoodall.org.au

[www.facebook.com/pages/
The-Jane-Goodall-Institute-Australia](http://www.facebook.com/pages/The-Jane-Goodall-Institute-Australia)

JGI New Zealand coming soon!

Hey KiDS!

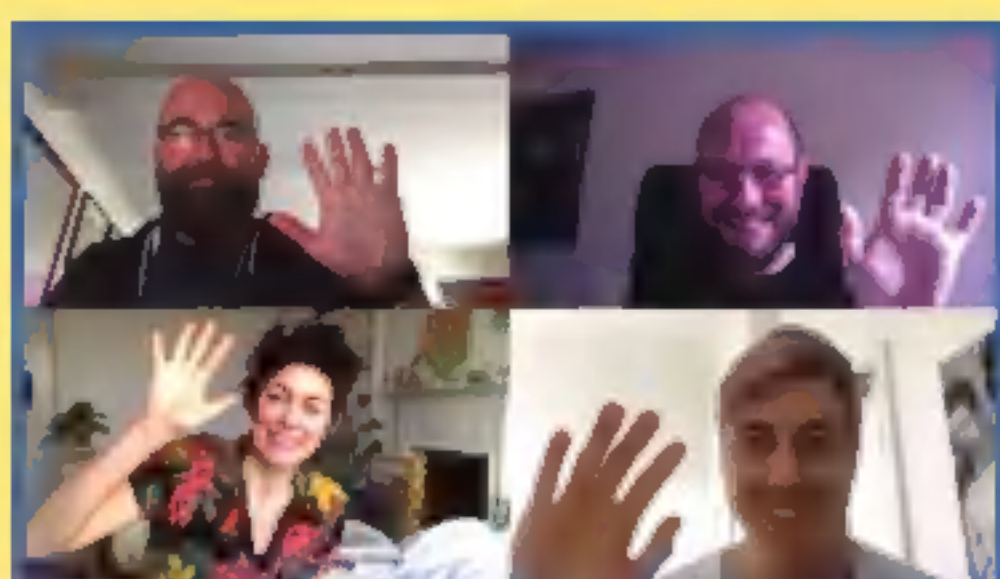
We hope you're all staying safe and well during these strange times. The NGK

offices are closed for now, but the team are still working hard from home to put your fave mag together, keeping in touch via our laptops (see pic above)!

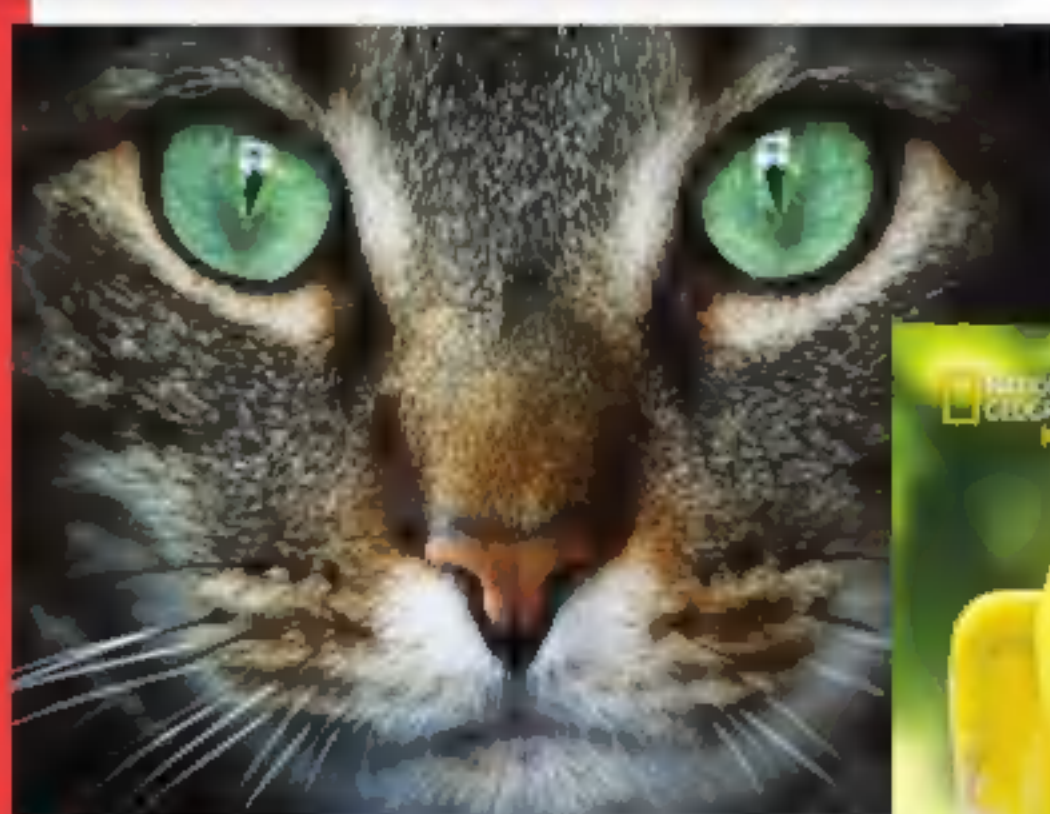
To help you stay curious, creative and kind during social distancing, we've put together a bumper Fun Stuff with ideas for family activities and boredom-busting puzzles. It's also our pet special this issue, so prepare to meet some seriously sweet pets! Plus, we chat to a polar explorer, and find out 18 ways to save animals. Yay!

Stay safe!

The NG KiDS team



4 CUTE POSTERS!



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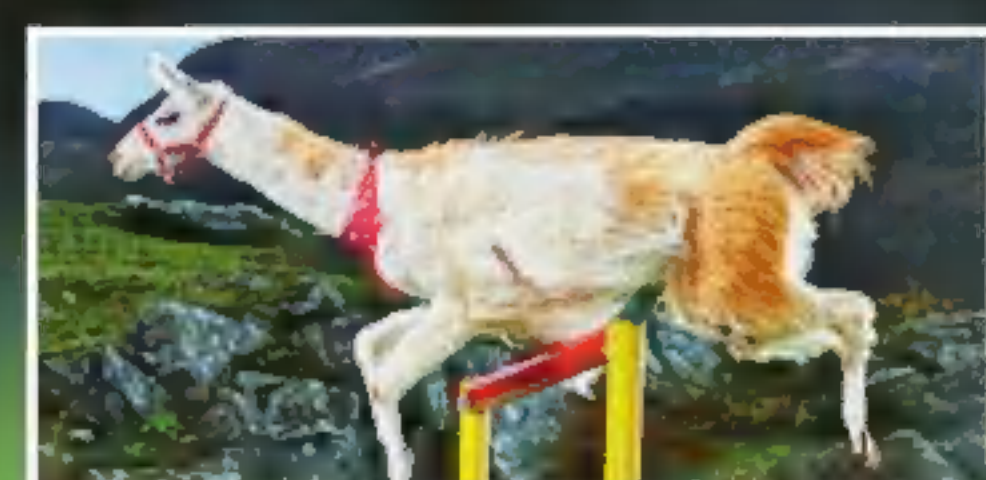
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12 PET SPECIAL
Get ready for TEN pages of pet fun! Cuteness overload!

Check out our superpowers!



12 PET QUIZ



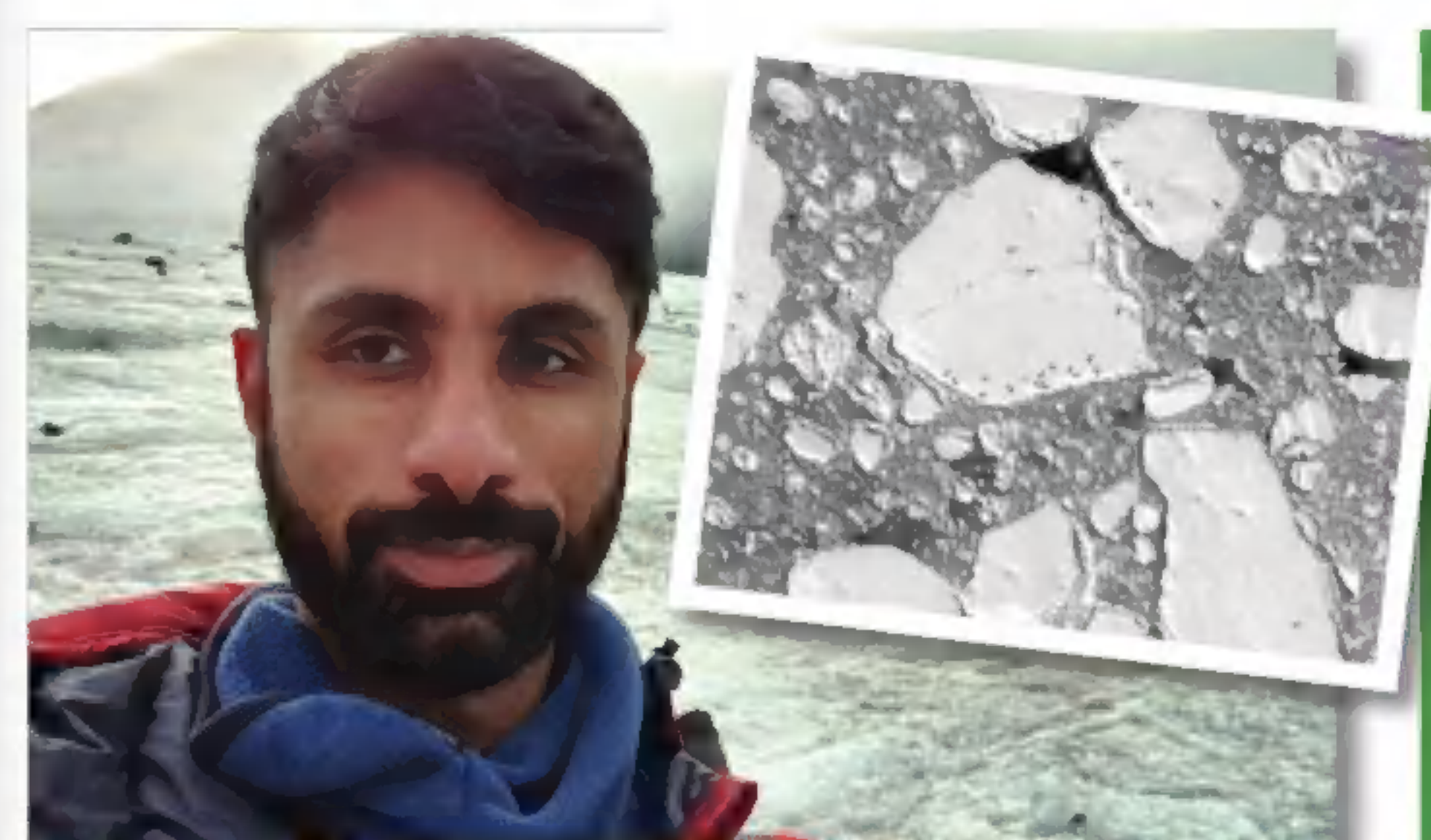
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INSIDE SCOOP

The latest news from around the globe...

Views from the zoos!



The **zoos** might be **closed right now**, but that doesn't mean you can't watch loads of animals from the **comfort of your home**! Many **aquariums**, **safari parks** and other **animal sanctuaries** are offering **live streams** from inside their **enclosures**, and viewer numbers are through the roof!

Taronga Zoo is showing chats with **keepers** over at **TarongaTV.com**, and **SEA LIFE** have plenty of **vids** on their **Facebook pages**. Meanwhile, at **Melbourne Zoo**, a **keeper** was caught on camera recently doing a **silly dance**. Now, that really is **wild**!

● Our fave place to watch live animal streams is **explore.org**



Watch gorillas in real time!



Puppies!



Peer into an eagle's nest!

The cute new owls live on a remote Australian island!



Hooray for rare owlets!



Some good news from **Norfolk Island National Park**! The first **Norfolk Island morepork owl chicks** in more than a decade have survived and are now **fledglings** (young birds capable of flying). One of the **rarest owls in the world**, there are only around **40-50** Norfolk Island moreporks left, and staff were ecstatic when the chicks hatched late last year. Now they can fly, the species has a real **chance of survival**!

In **1989** there was just **one owl left**, which was successfully paired with a male from a **New Zealand subspecies** – meaning all Norfolk Island moreparks in existence today are a **unique hybrid**!



Researchers are closely monitoring the new owls!

3

FAST FACTS!

Asteroid Day

30 June is an international day of awareness and education about asteroids!

1 Asteroids are **rocky objects** orbiting the **Sun**. They're left over from the formation of our **solar system** and may be as small as **pebbles** or **more than 100km wide**. Most are in the '**asteroid belt**' between **Mars** and **Jupiter**. At the last count, there were **957,888**!

2 Sometimes small chunks of asteroids called **meteorites** collide with Earth. **Asteroid Day** is on the anniversary of the **1908 Tunguska impact**, when a **36m-wide** space rock entered the **Siberian** atmosphere and exploded in the sky, flattening **2,000km²** of land!

3 Asteroid Day was co-founded in **2014** by guitarist **Brian May** from the **rock band Queen**, who is also an **astrophysicist**! Many concerts and events take place to raise awareness of the need to track asteroids and **protect Earth** from future impacts!



Find out more at asteroidday.org

Seed vault stocked!



World leaders deliver their seeds to the 'doomsday vault', in Norway!



Have you heard of the **Arctic Global Seed Vault**? The super **seed store** was built into the side of a **frozen mountain** on a remote **Norwegian island** in **2008**, and is designed to **keep crop seeds safe**, ready to be **replanted** in case of disaster. It now has over **one million** varieties of **seeds** housed in its underground vault!

The vault had a recent refurbishment after **melting ice flooded the entrance** but, following the hi-tech upgrade, over **60,000 types of crop** were added. The new varieties include **27 wildflowers** from **Prince Charles' meadow**, **potatoes** from **Peru**, **wild European apples**, and **sacred corn** from the **Native American Cherokee Nation** tribe.

Long-distance loggerhead!



A terrific **turtle** named **Yoshi** has completed the **longest-ever recorded journey** of any **tracked animal**! Yoshi lived at **South Africa's Two Ocean's Aquarium** for **20 years** after being **rescued** by **fishermen** when she was small. But two years ago, after she'd grown to over **180kg** and was ready to **breed**, the **loggerhead** was released back into the wild. And since then, she's travelled more than **37,000km** to the coast of **Western Australia**!

Scientists think Yoshi may have **hatched there**, as turtles often **return to their nesting sites to breed**. Now, **Australian scientists** are trying to find the turtle, so they can replace her **geo tag** before it runs out of **battery**. She's already led researchers to a previously unknown loggerhead feeding site. What a legend!



Yoshi is released into the wild in 2017!



Yoshi on the move!

CRAZY EVENT

EL COLACHO

JUNE 14

It probably won't ever be an **Olympic** event (and this year's festival may still be cancelled because of lockdown) – but the villagers of **Castrillo de Murcia** in **Spain** love to **jump over babies**!

El Colacho, meaning **Devil's Leap**, is a barmy festival dating back to the **1620s**, in which local men dress up in traditional **red and yellow costumes** to represent the **Devil**. They then hurdle over that year's **newborns**, who are placed on **mattresses** in the middle of the street. Yikes!

It's said that by doing this, the **'devils'** remove all **sin** from the bewildered babes. Afterwards, the tiny tots are **sprinkled with flower petals**. Aww! Thankfully, no babies have ever been harmed. Yet.

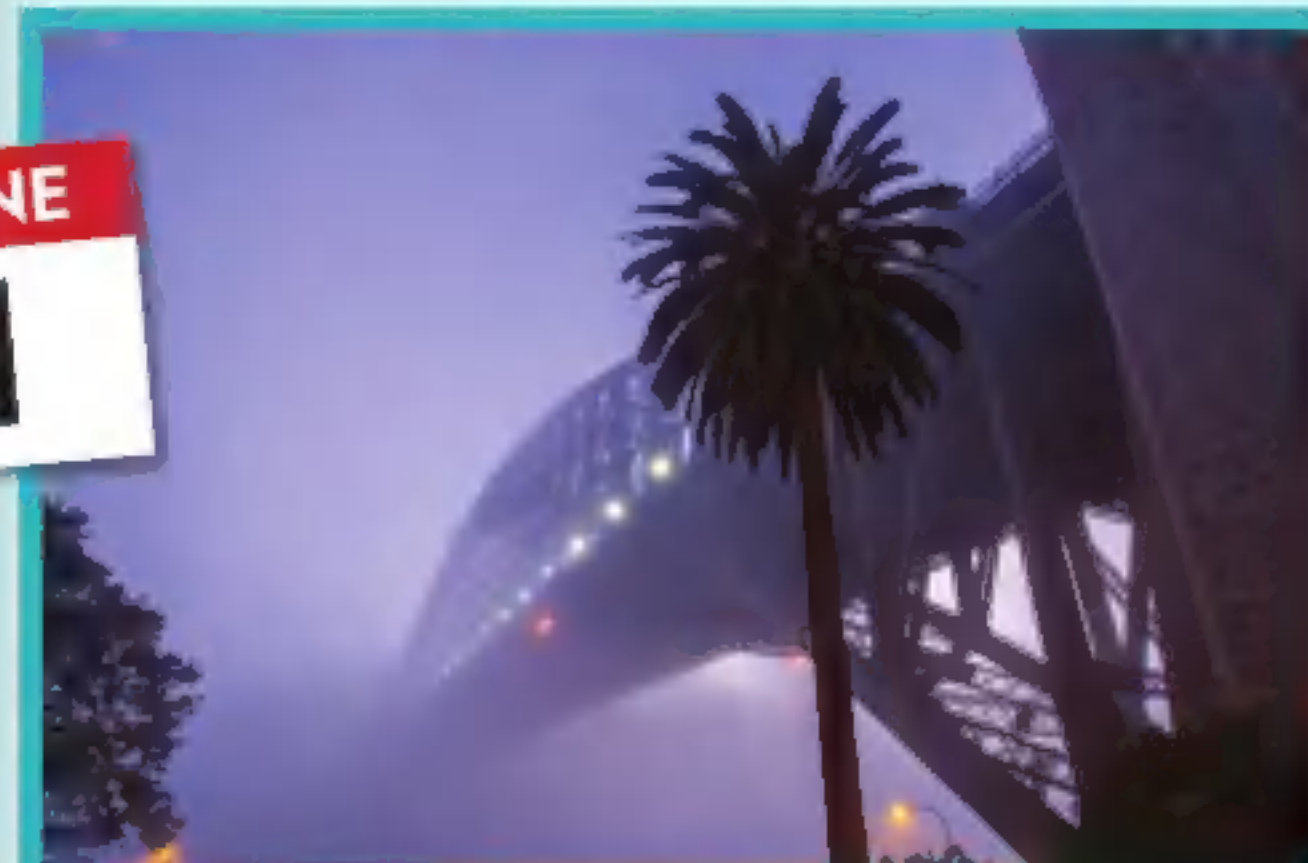


MAKE IT A DATE

What's going on this month?

JUNE

1



Winter begins

The first day of winter is here!

JUNE

3



World Bicycle Day

Get on yer bikes and ride!

JUNE

5

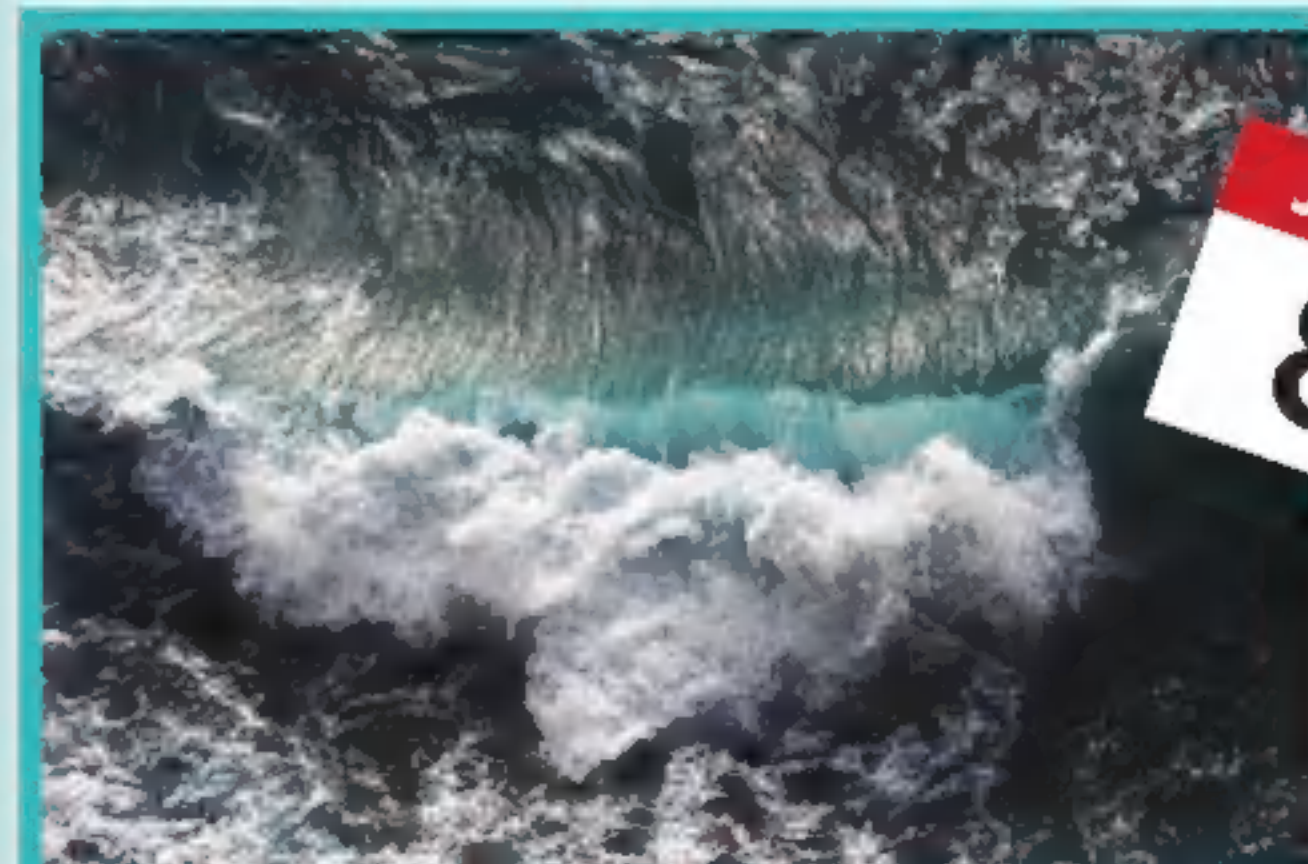


World Environment Day

Celebrate our planet!

JUNE

8

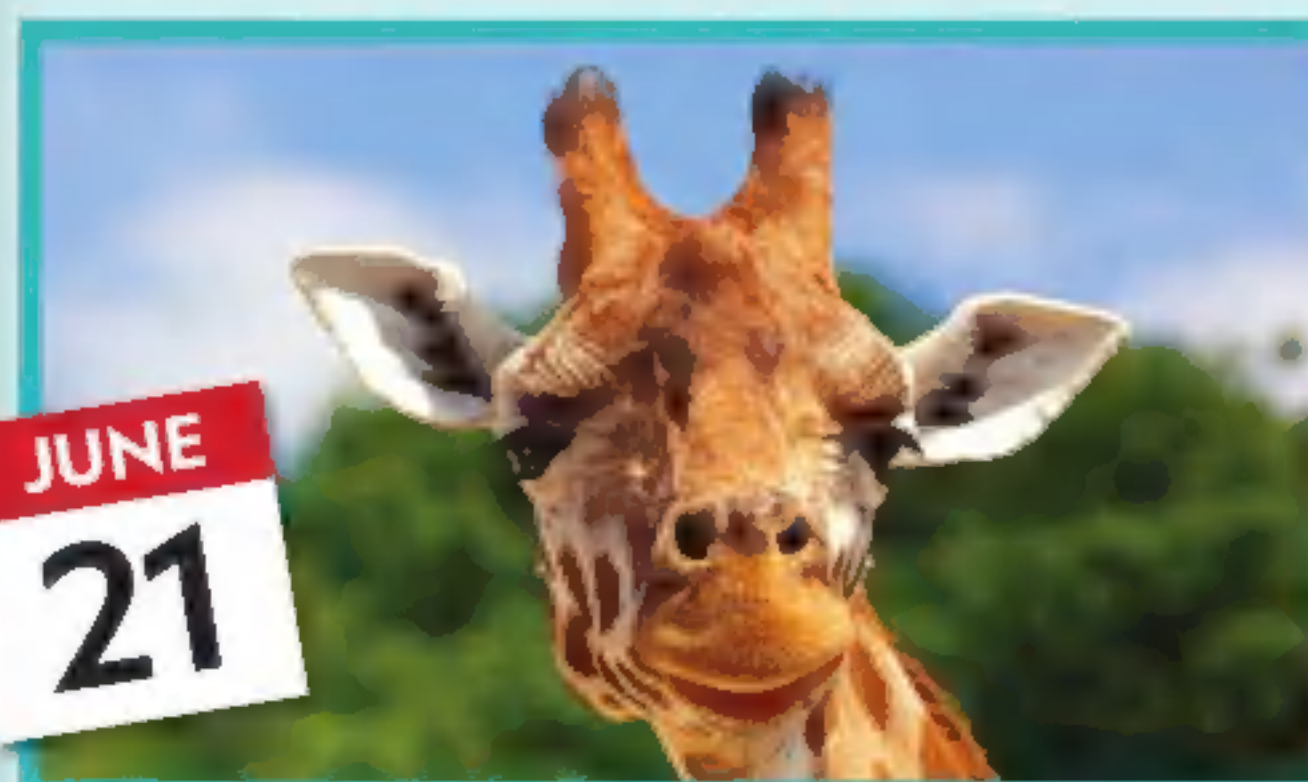


World Oceans Day

Protect our wonderful waters!

JUNE

21



World Giraffe Day

Appreciate these long-necked lovelies today!

WHAT'S UP?

Heaps of you are off school at the moment, so as well as the usual books and movies, here's a collection of apps, websites and shows to help keep your brain in gear!



Artemis Fowl

Twelve-year-old genius **Artemis Fowl** is the descendant of a long line of **criminal masterminds** – but his **father** has **mysteriously disappeared**. So, with the help of his loyal protector **Butler**, Artemis sets out to find him, and in doing so uncovers an **ancient, underground civilization** – the amazingly advanced world of **fairies**.
Deducing that his father's disappearance is somehow connected to the **secretive fairy world**, cunning Artemis concocts a **dangerous plan** that puts him in a **perilous war of wits** with the all-powerful fairies...

● From Friday 12 June on Disney+



Artemis is in on the action!

WIN!

Five winners will scoop a prize pack, including a **t-shirt, cap, flash light torch and backpack**.

Head online to answer this question to be in with a chance!

Q Who wrote the book the movie is based on?
a) Ryan Adams **b)** Ian McEwan
c) Eoin Colfer

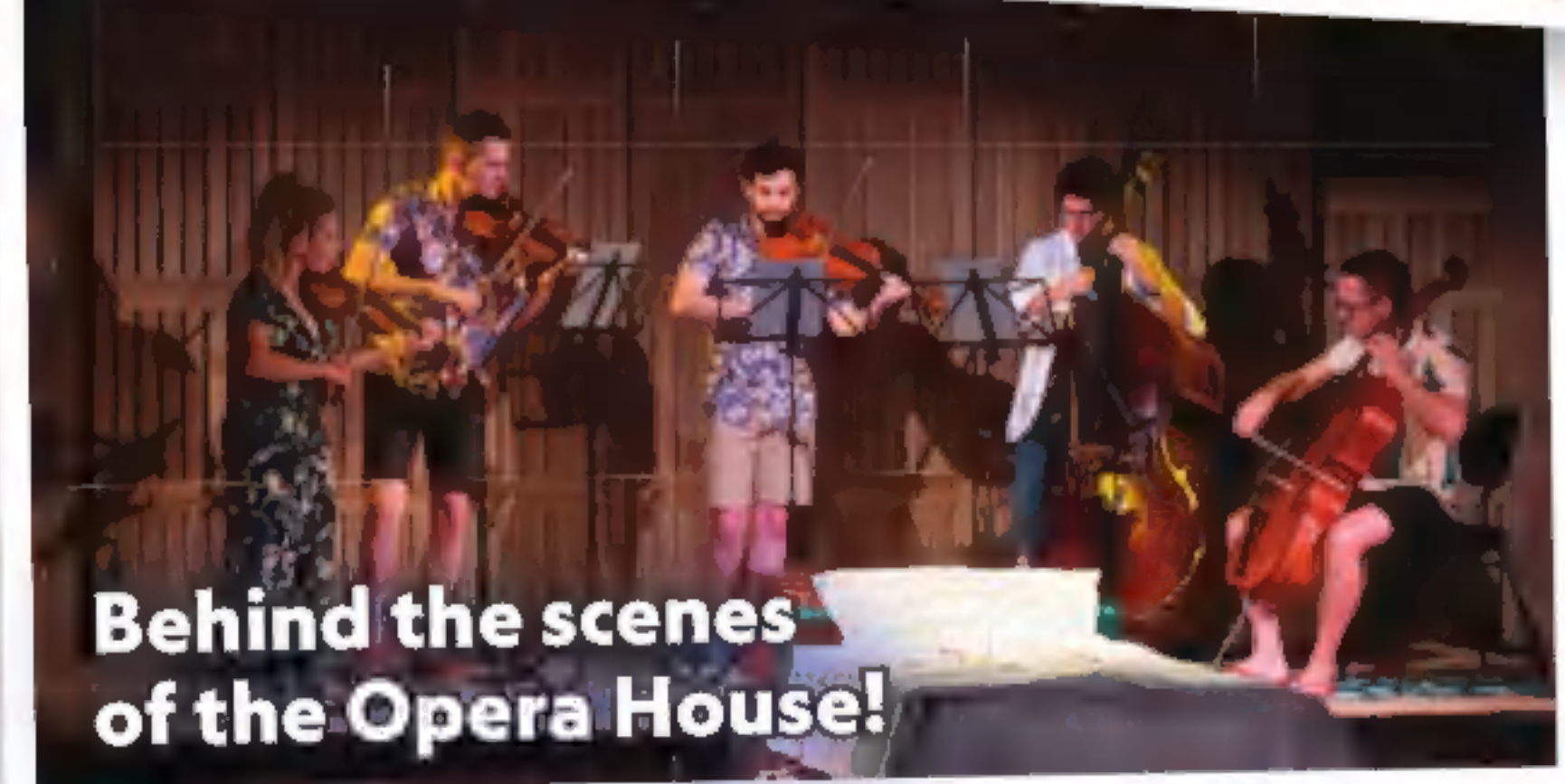


FOR THE KIDS

Sydney Opera House



Get creative online!



Behind the scenes of the Opera House!

Culture vultures will love the new hub of content from the team at **Sydney Opera House**! Thanks to their **behind-the-scenes videos, how-to tutorials, classical music playlists, author talks and craft workshops**, you can continue to be **entertained and inspired** even though your fave arts venues are shut for the moment.

There are also heaps of brilliant **performances** to watch online, plus **teaching resources** for **at-home learning**.

● Find out more by heading over to sydneyoperahouse.com/forthekids and sydneyoperahouse.com/digital

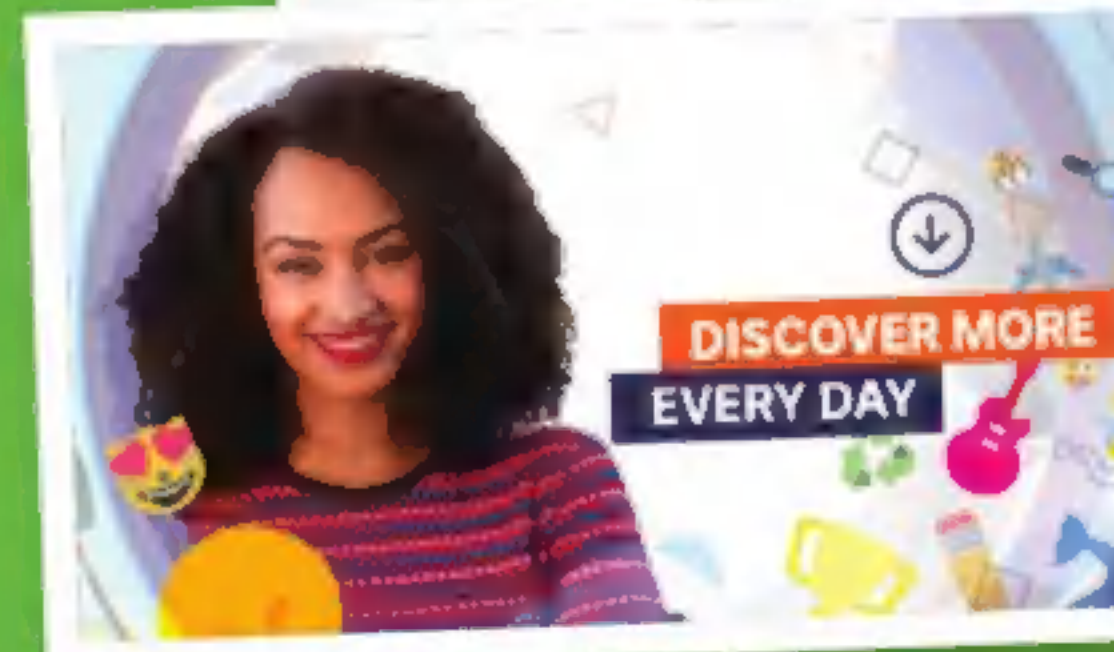


ABC Me & ABC Education

So you don't get behind in your school work, **ABC Me** have put together loads of great **educational programmes**, which they're showing **every day** from **10am 'til 3pm**! You can find loads of extra school support online at **ABC Education**, too, with access to more than **4,000 free videos, interactive resources and games**. Plus, catch up on all your favourite shows online at **ABC iView**!

● Search for loads of online school resources at education.abc.net.au/home

Tune into **Teenage Boss** on ABC iView!



ANSTO STEAM Club



Awesome ANSTO activities!

Missing school? Can't get enough of **STEAM (Science, Technology, Engineering, Art and Maths)** stuff? Then this cool new **online club** from the **Australian Nuclear Science and Technology Organisation (ANSTO)** will be right up your alley!

Specially designed to help keep you learning during the **COVID-19 restrictions**, you can sign up to take part in weekly **ANSTO challenges** which are **checked by real teachers**. Once you've completed **five**, you'll get a **Graduate Diploma**! Can you do all **25 weeks** to become a **Dean of STEAM**?!
● Ask your parents to register you online at ansto.gov.au/education/resources/ansto-steam-club



KEY



Website



Event



Movie



DVD



App



Book

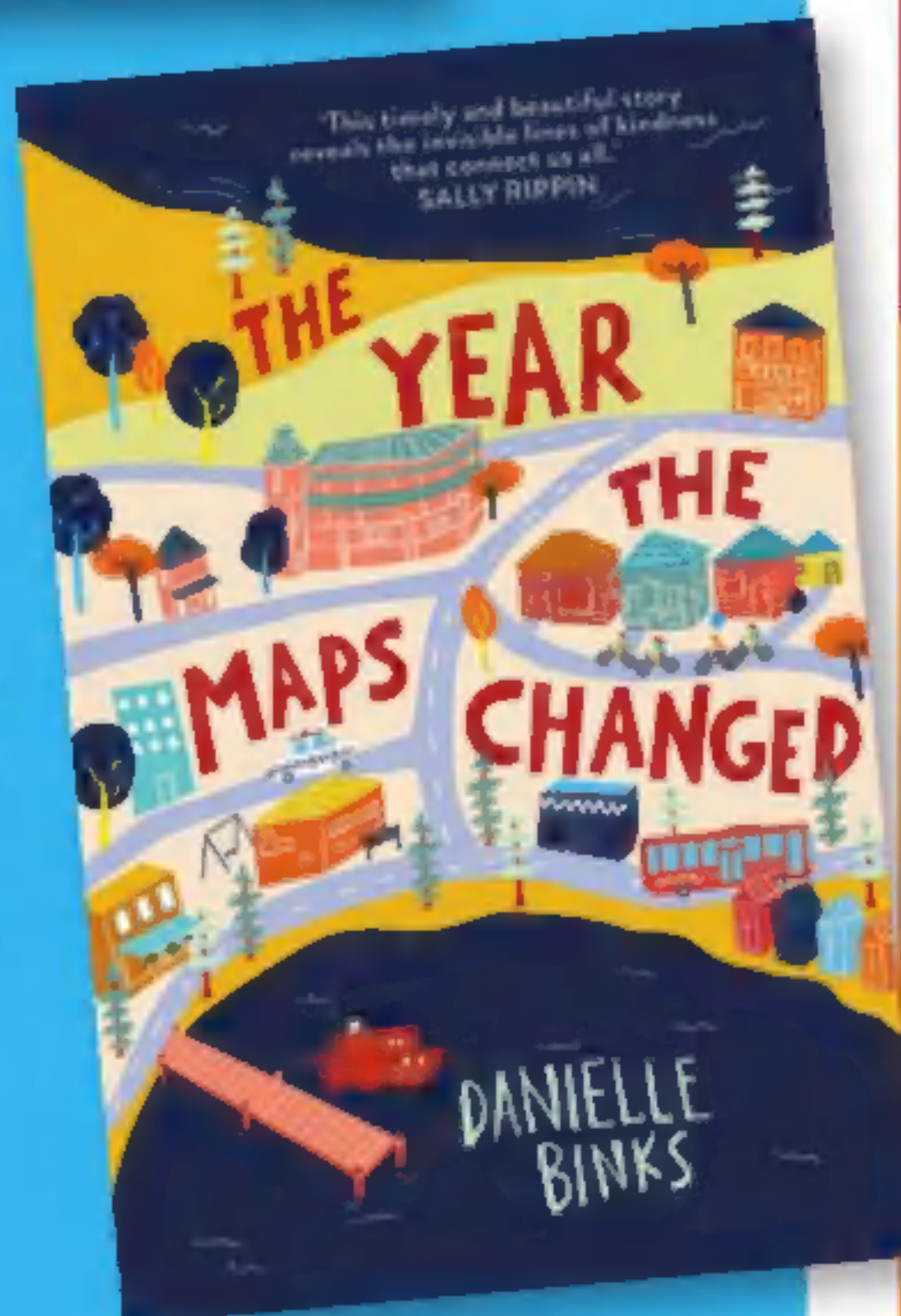


TV

Book Reviews

The Year the Maps Changed Danielle Binks

When **Fred** turns **12**, there are some **big changes** in her already **messy** life. Her **grandad** is in a **care home** recovering from a **fall** and her **adoptive father's** new **girlfriend** is **pregnant**. Meanwhile, a **crisis** from the **other side of the world** collides with her own, when **400 Kovar-Albanian refugees** arrive in the night to be housed at the nearby 'safe haven' in **Sorrento, Victoria**. Over the course of one **extraordinary year**, the refugees' fate becomes **intertwined** with that of Fred and her family. Moving stuff!



The Strangeworlds Travel Agency L.D. Lapinski

At the magical **Strangeworlds Travel Agency**, **12-year-old Flick** discovers that all you have to do to visit **hundreds of different worlds** is **jump into a suitcase** (boy, we wish that were true right now!). She leaps at the chance to join **Strangeworlds' magical travel society** and explore these other places, but, unknown to Flick, the world at the very centre of it all – a city called **Five Lights** – is in

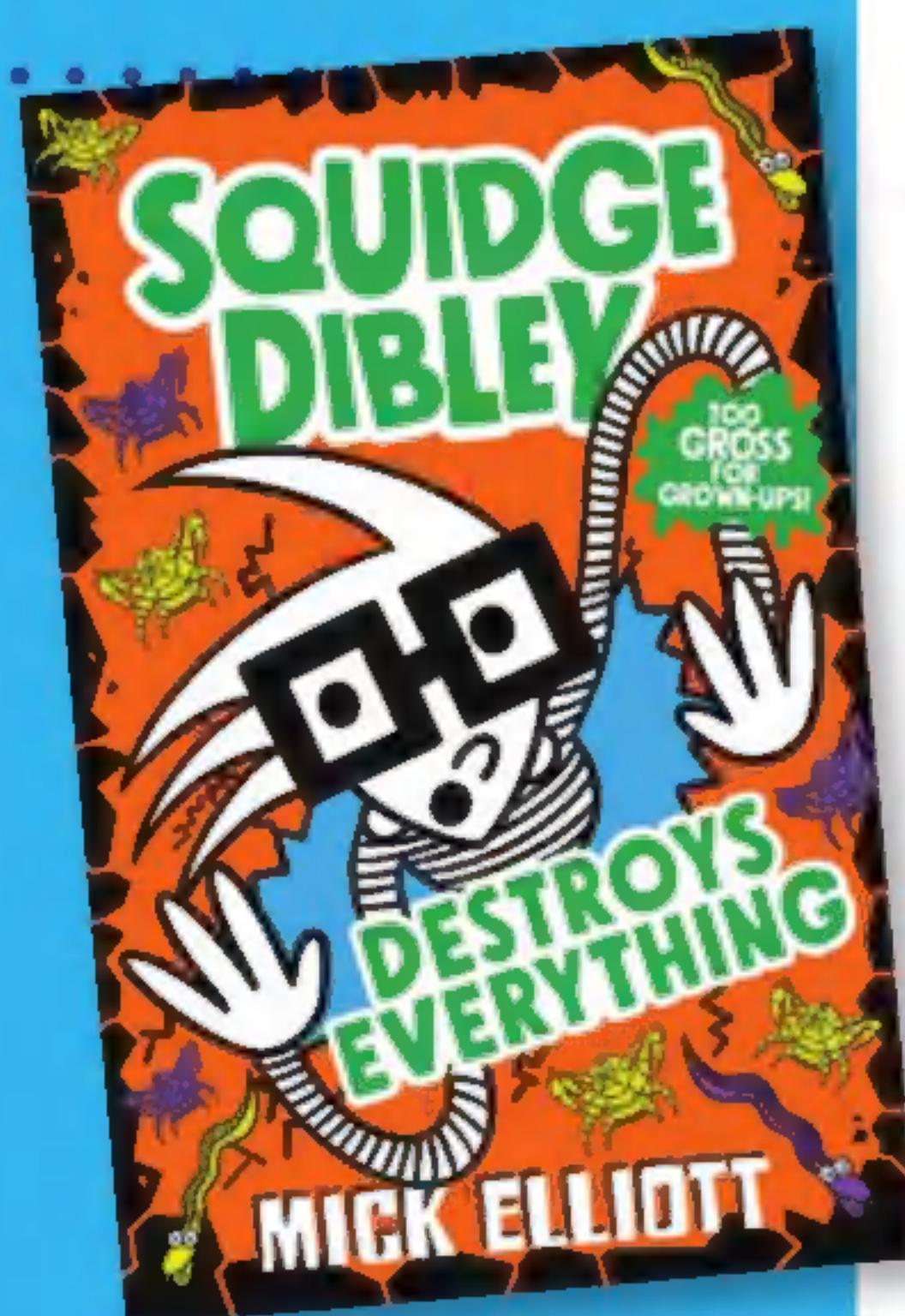
danger! Can she race against time to fix **Five Lights** before it collapses into nothingness – taking *our* world with it?!

Squidge Dibley Destroys Everything Mick Elliott

Squidge and his classmates are facing their **biggest, grossest problem ever** – a **lice infestation** has incapacitated almost the whole school, and their **arch-nemesis Hector Hoovesly** has taken over! Turns out it's just step one of his dastardly plan to take over first **Craglands Primary**, and then **everything!**

Defeating the **world's most vile teacher** will take **guts, brains** and **burps** so powerful they can create **mini earthquakes**.

There's only one kid for the job – **SQUIDGE DIBLEY!**



WIN!

Five winners will grab all of these books! Head to natgeokids.com and answer this question...

Q What's another name for an earthquake?

a) Trimmer b) Tremor c) Trauma



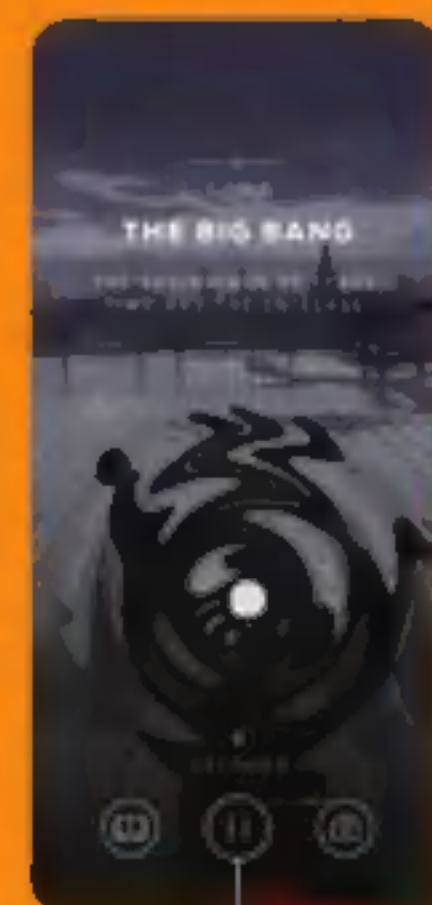
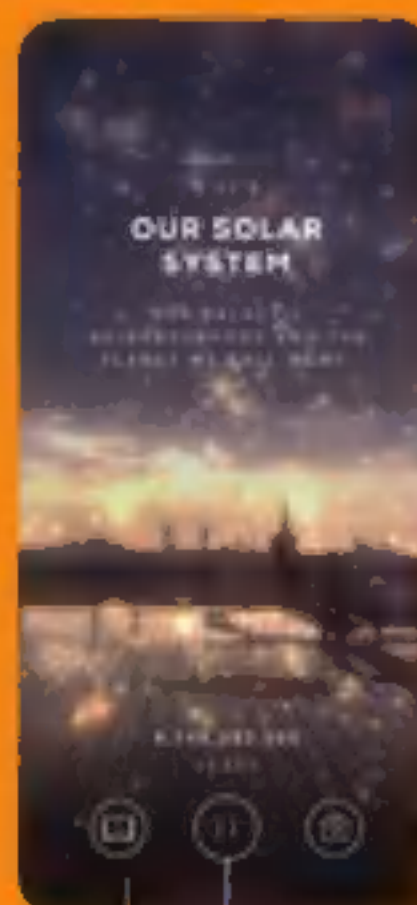
5 AMAZING FREE APPS!

Expand your mind and creativity with this top tech!



Tayasui Sketches School

Let your **creativity** run wild as you conjure **digital masterpieces** with this fun **drawing app**. There are so many **cool brushes** to play with!



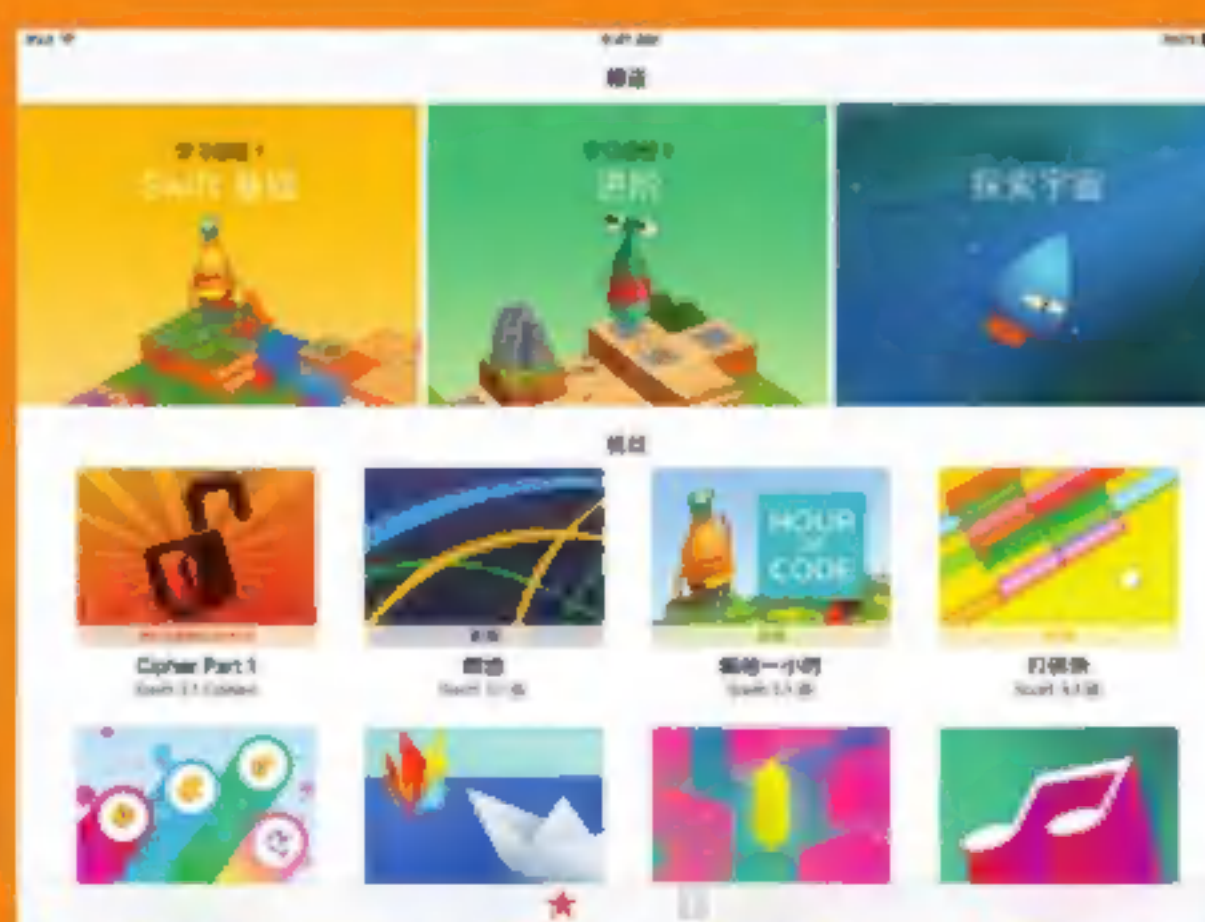
Big Bang AR

See the **universe** form in the **palm of your hand** on an epic **interactive journey** through the **birth and evolution** of the universe. It's mindblowing!



JigSpace

Explore countless objects and things, from the **human ear** to the **Earth's core** or **toasters**, by viewing them in **3D** and taking them apart. Awesome!



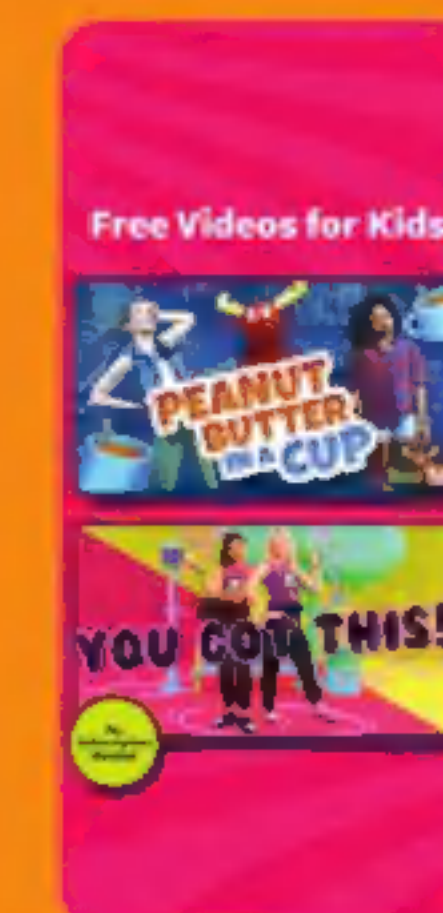
Swift Playgrounds

This **iPad app** makes it fun to **learn and experiment with code** in a way that's so **simple** even **parents** can grasp it!



GoNoodle

A popular **US app** packed with hilarious **singalong videos** to help you **focus, keep you active** and **improve your health!**



Find more cool apps for **primary school learning** on the App Store at tinyurl.com/primaryapps

MORE PASTA, PLEASE!



Think she saved room for **dessert**? **Michelle Lesco**, from **Arizona** in the **USA**, holds the record for **fastest time to eat a bowl of pasta**, finishing a **plateful of spaghetti** in less than **27 seconds**. That's **14 seconds faster** than the previous record. Michelle's not a picky eater – she also holds records for **fastest time to eat a hot dog with no hands** and the **most mayonnaise eaten in three minutes**. Um, yum?

Open wide!



I'm one fine looking feline!

SUPER-LONG CAT



What a mighty moggy! Measuring

120cm from his **nose to the tip of his tail**, **Barivel** holds the record for the **longest house cat** – he's as long as a **seven-year-old kid** is tall! The **Maine Coon** cat from **Italy** can **leap over fences** and **slide mail off his owner's kitchen counter** while **standing**. Wonder if he dreams about extra-long mice, too?!

What a ride!



HUMAN PYRAMID ON WATER



It's hard enough building a **human pyramid** on **solid ground**, so imagine making one on **water skis**! That's what members of the **Rock Aqua Jays Water Ski Show Team** did in 2018 when they formed the **largest human**

waterskiing pyramid. The **six four-level pyramids** contained **80 people**, who held the formation for more than **300m** while being pulled along the **Rock River** in **Wisconsin, USA**. Glad no one sneezed!

ADVERTISEMENT

funny kid

peeking duck

Love a good LOL? Then check out the latest book in the mega-bestselling series from author-illustrator Matt Stanton – it'll *quack* you up!

Every kid wants to **laugh**, but **Max** is the boy who can **make it happen**. He's not the **smartest** kid; he's not the **fastest** kid. He's not the **prettiest** kid, either. But he might just be the **funniest** kid you've ever met.

Max and his friends take a **road trip** to **Adventure Park** to dare each other to ride **The Tower of Dying Deathly Doom**. But it may be little **Duck** who is the bravest one of all...



MATCHING MAX

Two of these pictures of **Max** are exactly the same. Can you work out which?

Answers on page 49.

1

2

3

4

5

6

DUCK JOKES

Q What do you call a duck that steals?
A A robber duck!

Q What's a duck's fave type of TV show?
A Duckumentaries!

Q What do you get if you cross ducks with fireworks?
A Fire quackers!

Think these jokes are good? Well the ones in the **book** are WAAAAAY better!

WIN!

FUNNY KID BOOKS!

Three winners will scoop all **seven** of the books in the **Funny Kid** series! For your chance to win, just tell us how many **ducks** are hidden on this page (not including the ones on the book covers)!

Enter at natgeokids.com by 2 July!

Have you read them all?

Read it and chuckled ☐

Read it and LOled ☐

Read it and giggled ☐

Read it and chortled ☐

Read it and cracked up ☐

Read it and guffawed ☐

Want to read it! ☐

THE

BIG PICTURE

NAT GEO KIDS'
image of the month

Ice Reflections



Australian photographer **Craig McGowan** travelled all the way to **Greenland** to take this extraordinary picture of an **iceberg** floating along a **fjord** in the **world's largest national park**. "**Northeast Greenland National Park** is totally unpopulated by humans," says Craig. "It's just a **million square kilometres** of nature and abundant wildlife, including **polar bears**."

After many hours' motoring along on a boat, deep within the park, the fjord narrowed and Craig came across this iceberg, one of many drifting in the calm waters. It had previously broken away from a **glacier** and was slowly melting, the ice and colourful cliffs reflecting in the water.

Craig's abstract image won first prize in the **Landscape category** of the **Sony World Photography Awards**, but he says the photo doesn't capture the sheer **scale** of the landscape – the iceberg was around **five storeys high**, and the fjord walls rose over **1,000 metres**!


"Experiencing the natural beauty of nature, combined with pristine conditions in an unspoilt environment will stay with me forever," says Craig. Great shot!



WELCOME TO THE

Pet SPECIAL

PERSONALITY QUIZ

 **Fur, whiskers, scales, wings** – this **special pet issue** has 'em all. The next eight pages are crammed with **silly pet tricks**, **weird-but-true dog and cat facts**, and behind-the-scenes **tales** from **human animal helpers**.

But first, take this fun **personality quiz** to see which type of pet you're most like. Sit, stay and play!



Pick a school subject

Where would you rather spend your summer?

DRAGON

P.E. FOR ME!



YOU'LL FIND ME IN THE POOL

START HERE

Pick a mythical creature...

I ♥ SCIENCE

Would you rather explore a forest or a coral reef?



FOREST FLOOR

UNICORN



GECKO

Which would you rather snack on?

SANDWICHES, PLEASE

Pick an animal ability: Walk on walls like a gecko, or see in the dark like a tarsier

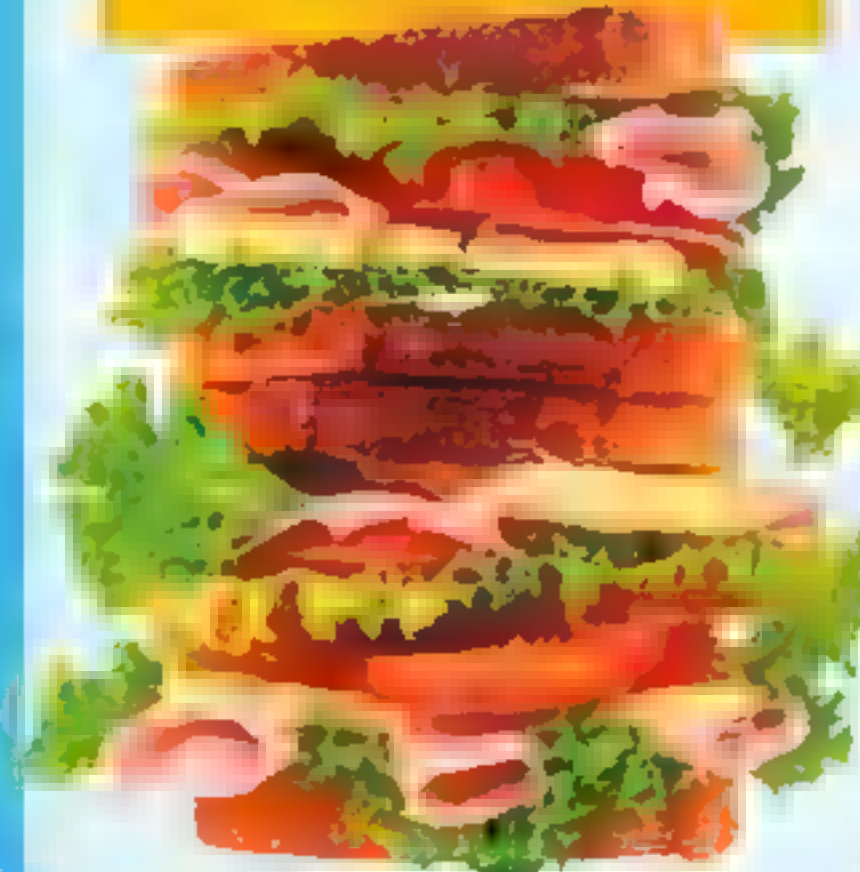
TARSIER

WITH A SLEEPOVER!

GIMME GREENS

It's your birthday! How do you want to celebrate?

BY INVITING ALL OF MY FRIENDS TO A PARTY IN THE PARK





YOUR RESULTS

If these descriptions don't match your personality, don't worry. The questions are just for fun.

You're a dog! Dogs are arguably the **friendliest** pets. Like dogs, you love **meeting new people** and spending time with your very best humans or **friends**. You enjoy being the **center of attention** but are happy to share the spotlight, too.

You're a fish! For fish are **independent** and mostly **low maintenance** - they don't need a lot of **attention**, and neither do you. But you're not afraid to **speak up** for yourself and **others** when necessary, even if it means **confronting** someone in charge.

You're a hamster! Hamsters may be **small**, but their **snuggly personalities** make them big **favorites**. You make an **impression**, too. Most likely to run for **head boy** or **head girl**, you're **confident** in your ability to **lead others**. That doesn't mean you're **overbearing**, though. You're up for **adventure** and taking an **unfamiliar path**.

You're a cat! These popular pets might seem **quiet**, but that's what makes them **good listeners** - and **so are you**. Your friends appreciate how **attentive** you are. You're also the **smarky pants** in your group of mates, **able to answer questions** and **share trivia**.

You're an insect! A lot of **bugs** are **team players** (hi, **ant colonies**), just like you. Your **loyalty** makes you **excellent BFF material**. You work well with others and frequently perform **thoughtful acts** for family members and friends.

Turn over to meet some of the world's most **talented** pet!

Pet

SPECIAL!

EASY
PEASY?



Llama loves to leap

Porthmadog, Wales, UK

1

Caspa the llama's not good at watching – he prefers to be **part of the action!** "He saw our dogs **jump over hurdles**," owner and dog trainer **Sue Williams** says. "Then I heard him make a **humming noise**, which llamas do sometimes when they're **not impressed**. It was as if he was thinking, 'I can do better than that!'" So Sue decided to use her **dog training skills** to help teach **Caspa** how to jump over bars, too. With a lot of practice – and some **tasty carrots** as rewards – Caspa eventually cleared a hurdle **over a metre tall**. "He's an absolute **show-off**," laughs Sue. *Li-amazing!*

A baby llama
is called a **cria**
(say 'kree-uh').

BUNNIES
LOVE
PLAYING
BALL!

2

Rabbit plays basketball

Los Angeles, USA

Before he goes to bed at night, **Bini the Holland Lop** tries to make a **slam dunk**. And if the rabbit misses, he grabs the rebound and tries again. "He won't go to sleep until he makes a basket," says owner **Shai Lighter**. Bini started **shooting hoops** on his own – sort of! One night, Shai saw the little bunny dropping the same ball **inside a box** over and over again. So he bought him a **miniature basketball hoop** and rewarded Bini for any slam dunks he made with his **favourite treat**. Now, as well as playing basketball, Bini enjoys **helping Shai with chores**. "He loves using his mini-vacuum cleaner!" Shai says.

BINI THE BVN



Most
Holland lops
enjoy playing
with cat toys!

3

Pug rides on skateboard


Washington, D.C., USA

Jumping on his **skateboard**, **Mr. Butts** pushes off with a paw, then zips past his favourite bakery. "There's a slight chance he'll be distracted by a pastry," owner **Justin Siemaszko** says. But if he's not, the pup is usually **rewarded with bread** after he shows off some **sweet** boarding moves. And he'll **sneeze** to let his owners know he hasn't had his baked treats **fast enough** after hopping off his board. "The **bigger** the sneeze, the bigger his **disapproval**," Justin says.

To train for the trick, Justin and his wife, **Beth**, first taught Mr. Butts to **sit and stay** on a skateboard while it **wasn't** moving. Later, they upped the difficulty by making the **skateboard roll** when two of the pug's feet were **resting** on it. "Once he could **push off** successfully, Mr. Butts started boarding by himself," Justin says. Sounds like **skateboarding** is the *paw-fect* hobby for this **sporty pooch**!

THIS IS
JUST HOW
I ROLL!

Some pugs
in ancient
China had their
own mini-
palaces and
bodyguards!



Watson (top left)
watches as Keys
performs her
signature move

YEAH, YEAH,
WHATEVER!

BOW
BEFORE
YOUR ONE
TRUE
RULER!

4

Cat strikes pose

Dana Point, USA

Aaand... *stretch!* Why is this cat putting her front **paws up** in the air like she's doing a **yoga move**?! Because she's excited about lapping up a little yummy **coconut oil**! **Keys the cat** first stood on her hind legs and placed both her paws **in the air** a few years ago when she was trying to get her owner out of bed. **Peter Mares** thought the move was **so cute** that he gave Keys a little bit of coconut oil as a **treat** – and the cat's been doing the move **ever since!**

A cat
usually has
up to 12
whiskers on
each side of
its face.

A large pig is shown from the side, holding a paintbrush in its mouth and painting a colorful abstract scene on a canvas. The canvas is mounted on a wooden easel. The background is a bright blue sky. There are several callout boxes and speech bubbles around the pig.

I BET
THIS WILL
BE WORTH
MILLIONS
ONE DAY!

Pigs
prefer to sleep
nose-to-nose.

A small black and white guinea pig is shown in mid-air, jumping over a small hurdle made of a cardboard tube. There are other cardboard tubes in the background, and the scene is set against a white background with blue circles.

I'M
BASICALLY
FLYING. NO
BIG DEAL!

A guinea pig's
teeth never
stop
growing.

Guinea pig clears hurdles

Austin, USA

Rolly the **guinea pig** jumps like a **champion show pony**. But, unlike a pony, she leaps over little bars stuck into **toilet-roll tubes** – and sometimes **squeaks** as she jumps! Owner **Malia Canann** taught her pet the **trick** by encouraging Rolly to follow bits of lettuce over small hurdles she placed **close to the ground**. And as Rolly trained, Malia **increased the height** of the hurdles – now Rolly's jumps are as high as a toilet-roll tube! Rolly is 'paid' post-jump with **tasty treats**. If they don't come fast enough, she'll **nudge** her owner's foot with her **nose** as if to say, "Hurry up!"

Pig makes art

Franschhoek, South Africa

Pigcasso the 450-kg rescue pig doesn't take her art too seriously – she prefers to **dance** while she paints! "She tosses her head and **flaps her ears**," says **Joanne Lefson**, the founder of **Farm Sanctuary SA**, where Pigcasso lives. The pig first learned to paint after she picked up a **stray paintbrush** with her mouth. Noticing the pig's fascination, Joanne **set up a canvas** and put some paint on a brush to see what Pigcasso would do. "She **started painting** almost **right away**," Joanne says. When art time is over, Pigcasso dramatically **tosses her brush into the air** – and that's not the only unusual thing the **porky painter** does... "When each painting is finished, Pigcasso dips her nose in **beetroot ink** and '**signs**' her artwork for a finishing touch!"

5

6

WHAT IS AVAXHOME?

AVAXHOME-

the biggest Internet portal,
providing you various content:
brand new books, trending movies,
fresh magazines, hot games,
recent software, latest music releases.

Unlimited satisfaction one low price

Cheap constant access to piping hot media

Protect your downloadings from Big brother

Safer, than torrent-trackers

18 years of seamless operation and our users' satisfaction

All languages

Brand new content

One site



AVXLIVE • ICU

AvaxHome - Your End Place

We have everything for all of your needs. Just open <https://avxlive.icu>

Pet

SPECIAL!

DARE TO EXPLORE

Find out how three Nat Geo superstars are working to save animals...

"I believe that every pet has the right to a good life."

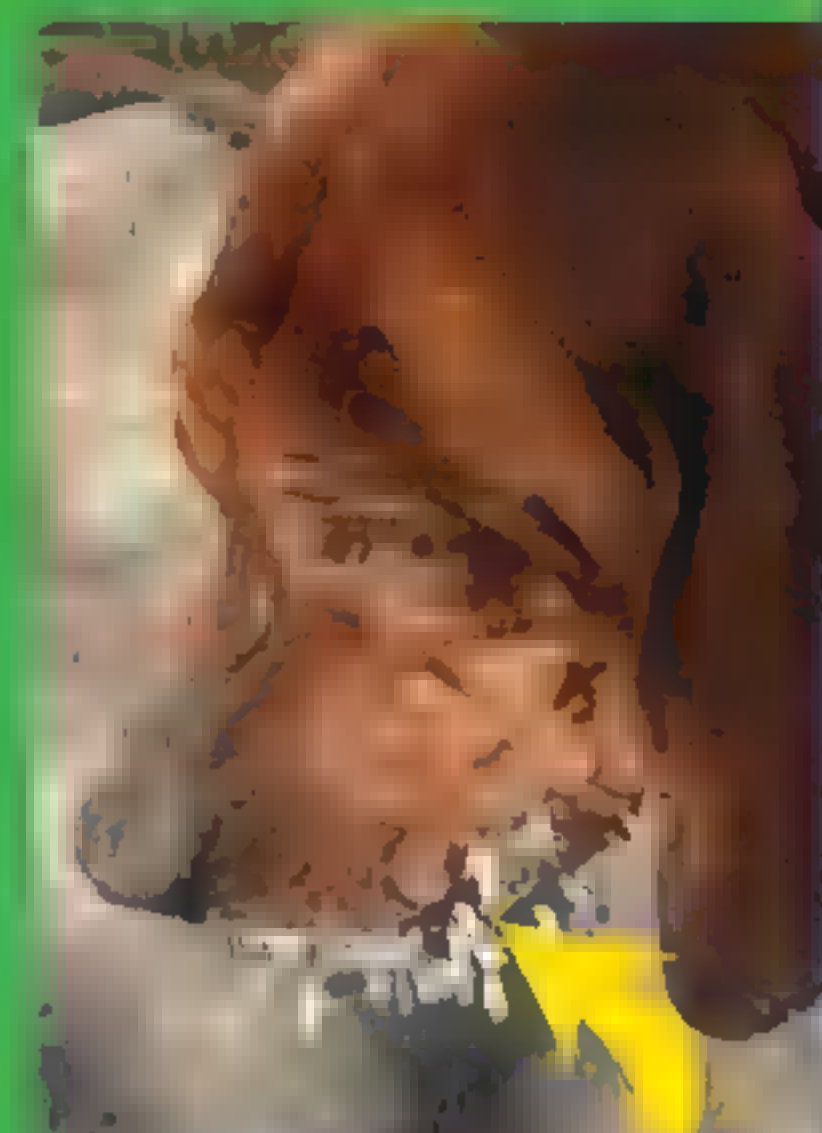


Dr. Pol treats just about anything – from horses and dogs to hedgehogs!

THE VETERINARIAN

Jan Pol has helped nearly 500,000 animal patients in his 50 years as a vet. Here he recalls two supercute tales – about a pair of injured hounds and a sick kitten...

"Dogs will chase anything that moves – including **porcupines**! One time two **coonhounds** came into the vet clinic with **hundreds** of **porcupine quills** stuck in their muzzles. Ouch! We had to remove the **pointy spines** or they could cause an infection that would make the dogs sick. So we sedated the pups and **plucked** the quills out one by one. They went back to their owner **just fine**, but dogs never learn their lesson – next time they meet a porcupine, I'm sure they'll be back!



PORCUPINE QUILLS

"Another time, a family brought in a **stray kitten** with a very **infected eye**. The family didn't want to give up on the kitten, and I didn't either. But I wasn't sure what was wrong until I **started the surgery**.

"I almost couldn't believe it – a huge **insect larva** was growing in the kitten's eye! We had to remove **the eye**, but the kitten was completely **fine without it**. Even better – the stray kitten **found a home** with the family who brought it in!"

WANT TO BE A VETERINARIAN?

STUDY Maths and biology
WATCH *Bondi Vet: Coast to Coast*
READ *All Creatures Great and Small* by James Herriot

Shannon prepares to photograph a fisherman in the Banda Sea off Indonesia

86% of saltwater aquarium fish are caught in Southeast Asia

BLUE TANG

"We want to learn where aquarium fish come from and how they make their way across the world and into peoples' homes."

WANT TO BE A PET TRADE INVESTIGATOR?

STUDY Photography and journalism

WATCH *Blue Planet* and *Human Planet*

READ *Ocean Country* by Liz Cunningham

THE PET TRADE INVESTIGATOR

Photojournalist and marine social ecologist Shannon Switzer Swanson investigates how fish go from the coral reef to the pet shop. She hopes that if people know more about the aquarium pet trade they'll make better decisions when looking for a pet fish, helping protect both the fish and the people who catch them. Below she describes a close call while watching a fisherman at work...

"I was in Indonesia, diving with a man who supports his family by catching fish for the pet trade. I watched him catch a blue tang [which only earned him about \$1.50] while we breathed through long tubes attached to an air compressor on the boat above. After a few minutes in the water, I suddenly

couldn't breathe – the air had stopped flowing through the line! Luckily I'd gone through scuba training, so I tried not to panic as I remembered what to do. I had to slowly exhale as I came to the surface to avoid getting sick.

"It made me realise that these fishermen put their lives

at risk every day – and they do it because they don't have a better option to earn a living.

I hope people will start being more careful when they purchase an aquarium fish – asking stores how the fish was caught. I want them to be willing to pay more for one that was caught sustainably."

ECO-FRIENDLY FISH

Looking for a new addition to your aquarium?

Use these tips to do it sustainably!

● First, ask for fish that were bred in captivity instead of ones that were taken from the wild.

● If the fish you're after can't be raised in captivity, buy from people who know how the fish got from the ocean to the store – for instance, if the pet is 'certified cyanide free' and has not been caught using poison.

● To create a healthy home for your fish, look for artificial reef rock that can be combined with captive-raised live coral to keep your wet pets happy!

THE WILDLIFE PROTECTOR

Conservationist Rosamira Guillen works to protect cotton-headed tamarins (also called cotton tops) from habitat destruction and the illegal pet trade. These monkeys can only be found in northwestern Colombia, a country in South America, and here Rosamira describes watching them in the wild...

"I was following some cotton tops through the forest when I spotted a family of them. The mum and dad were trying to teach a ten-week-old baby how to jump – the parents and siblings were on one branch, and the baby was on another. But the baby didn't want to learn that day – it was crying like a little kid. You could tell it was saying, 'No! Just carry me!'

After 15 minutes the parents decided they'd had enough, so they scooped him up and moved on.

"We want people to understand that cotton tops aren't pets – they need to be in the wild with their families. So my organisation educates people in the local community and asks them to take a pledge not to have a monkey as a pet. Only about 7,000 cotton tops remain in the forest, but I have hope that we can protect these animals and keep them in the wild where they belong!"

WANT TO BE A WILDLIFE PROTECTOR?

STUDY Natural sciences and environmental sciences

WATCH The documentary *Jane* (National Geographic)

READ *Gorillas in the Mist* by Dian Fossey

COTTON TOP

Rosamira observes a cotton-headed tamarin in Colombia

"I love that cotton tops have cool hair and a cool attitude."

Pet
SPECIAL!

CAT & I

Cats can
ROTATE
THEIR EARS
180
DEGREES.

They also have
WHISKERS
on their elbows
to help them
SENSE AND
CATCH
PREY.



Cats can see up to
EIGHT
TIMES
BETTER IN THE
DARK
than humans can.



Their
WHISKERS
HELP THEM JUDGE
if a space is large enough for
them to squeeze through.

Main cat image © Getty Images UK; Cat with paw in air © CaoWei / Getty Images; Cat eyes © Greenery / Shutterstock; Main dog © TheDogPhotographer / Getty Images; Dalmatian © Celig / Shutterstock; Glass of water © Andrey Kuzmin / Shutterstock; Bulldog © Willee Cole Photography / Shutterstock.

DOG SUPER SENSES



Dogs **smell** separately with **each nostril**, helping them figure out where **smells** are coming from.

They can **hear sounds** four times further away than humans can.

They have **special taste buds** specifically devoted to **water**.



Dogs' **entire bodies** are covered with **touch-sensitive nerve endings**.



BELLY RUBS, PLEASE!

NG KiDS chatted to polar explorer Prem Gill about his seals from space project...

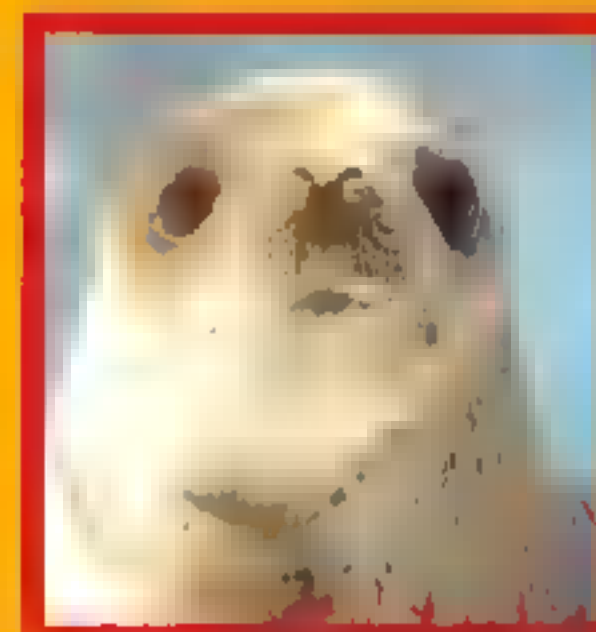
I want to change the image of Antarctic Exploration!



Name: Prem Gill
Nickname: Polar Prem
Age: 26
From: Reading, UK
Job: Polar conservationist and polar explorer (Arctic and Antarctic)
Known for: Studying seals from space at the Scott Polar Research Institute in Cambridge, UK

ANTARCTIC ICE SEALS

Meet the four seals that live on Antarctic sea ice...



CRABEATER SEALS

These seals spend their entire lives on the **pack ice** surrounding Antarctica. Despite their name they eat **krill**, not crabs!



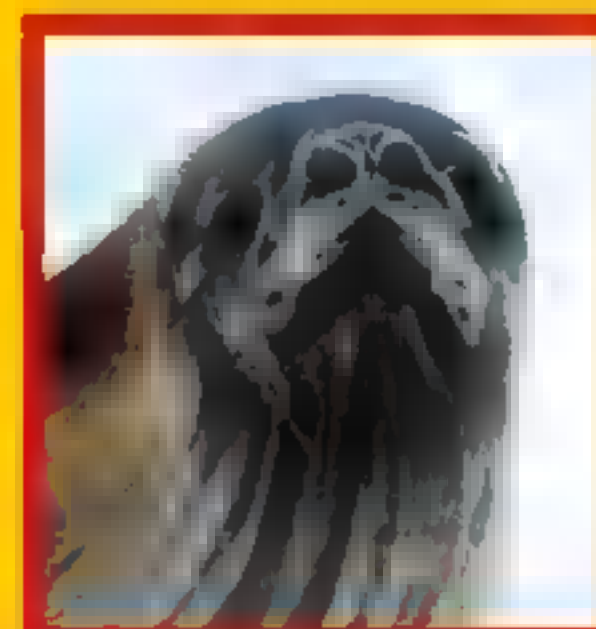
LEOPARD SEALS

Also found on **pack ice**, leopard seals eat almost anything, from **squid** to **penguins**, and other **seal pups**. Yikes!



WEDDELL SEALS

Living near **breathing holes** and **cracks** in '**fast ice**' (which is still attached to land), Weddells use their **sharp teeth** to keep the holes open.



ROSS SEAL

These rare seals prefer the **thickest pack ice**, and have **needle-like teeth** for catching slippery fish under the ice.

Hi Prem! You're a polar conservationist, and your big project is studying seals – from space! How does that work?

Are you an astronaut, too?!

Haha, no! I use **satellite cameras** that are up in **space**. I point them at **sea ice in Antarctica**, and then **look at the images, counting all the seals** that live there. And I might count some **penguins**, too. In case you don't know, **penguin poo** can **stain ice** a lovely **pink** and is **visible from space**!

Wow, are the pictures taken from satellites really that clear?

The **resolution** is so **high** that I can make out **baby seals**, and I can even tell when a **seal mum** has just **given birth** by looking out for **specks of blood** on the ice! I check for the seals' **distinctive banana shape**, but they hang out in certain groups and locations which also makes them easier to find.

Why do you have to study these mammals from space?

The Antarctic is very **remote**, and because of all the **broken up pack ice** it's **dangerous** to get to by **boat**. In **winter**, the sea ice is **double the size of Europe** so you can't just **fly on a plane** to count the seals either. The space images capture the **whole of the region**!

What are you hoping to learn?

We want to find out **how many seals live there** and the **type of sea ice** they like to live on. By finding out **where they're giving birth**, we'll know which areas of the sea ice to **protect**. We're investigating how **climate change** may affect their **habitats** and **behaviour**, too.

Do you ever get up close to seals as well as looking at them from space?

I worked with a **seal rescue centre in Norfolk, UK** so I could get used to being around seals before visiting Antarctica. They look after **pups** that have been **abandoned** or **orphaned**, or that may



Prem and his team searching for seals in Antarctica!



Warming up an orphaned seal pup!

"Seals make the weirdest noises!"

be ill. Some have been **attacked by dogs** that have been let loose on beaches. We name them after **mythological characters** like **Centaur** and **Minotaur** and we feed them with a special **soup** made from **mackerel**.

Do the seals like people?

They're **sociable** animals and really want **affection, bumping** you with their **noses** when they want food. Sadly, we **can't cuddle them** because we have to make sure they **don't get reliant on humans** and can go back to the wild.

Before lockdown, you got to visit Antarctica for real! What research were you doing?

Sometimes it can be really difficult to tell the difference between **rocks** and **seals** from satellite images and so I was

using a special piece of equipment called a **'field spectrometer'** to measure the **light reflected off different species**. It's a long stick with a **sensor** that we hold safely above seals. That way I can be sure I'm identifying the seals correctly on the satellite images.

What was the trip like?

Surreal, hectic and **rewarding**! I was very **nervous** beforehand.

Not only was I travelling to the most **remote** and **inhospitable** **continent** on Earth but I was also conducting my first ever **independent study** using extremely **expensive, fragile** equipment that I hadn't used before and was super easy to **break**!

Head online to **polarprem.com** to hear some seal sounds!

Yikes! How did it go?

The nerves evaporated once we went out on the boat for the first time and came across five fat, cute **crabeater seals snoozing on the sea ice**. I immediately jumped into **science mode** and began directing my team. I couldn't believe that the little **fieldwork project** I had written up at my desk in **Cambridge** a year ago was happening for real, with a group of strangers all following **my instructions** to conduct some really **cool science**!

So it was a success?!

Yes! I managed to survey **four** of the **six seal species** in Antarctica! I took measurements of their **wee**, too (urine stains on sea ice may be visible in satellite images so it's useful to measure it)!

What do you love most about seals?

As well as being **heart-meltingly cute**, they make the most **incredible noises**.

They sound like **special effects** from a **sci-fi show**! I gave a **lecture** where I asked the audience to try and tell the **difference** between **seal noises** and **deep space recordings**, and it's **really hard**! Alongside counting seals from space, I'm working on a **song** made of **seal sound samples** – I'm hoping I can get famous **grime** musician **Stormzy** involved!

Ha, cool! What do your parents think about what you do?

Well, I'm **Sikh**, and my mum and dad are originally from a rural area in **North Punjab, India**. It's very very rare for someone of my background to become a **polar explorer** (I'm basically a **brown unicorn**!) so they're very **proud** but they're also **baffled** by it.

What do you like most about your job?

It combines my **love of seals, technology, and maps**. I'm a massive **geek**!

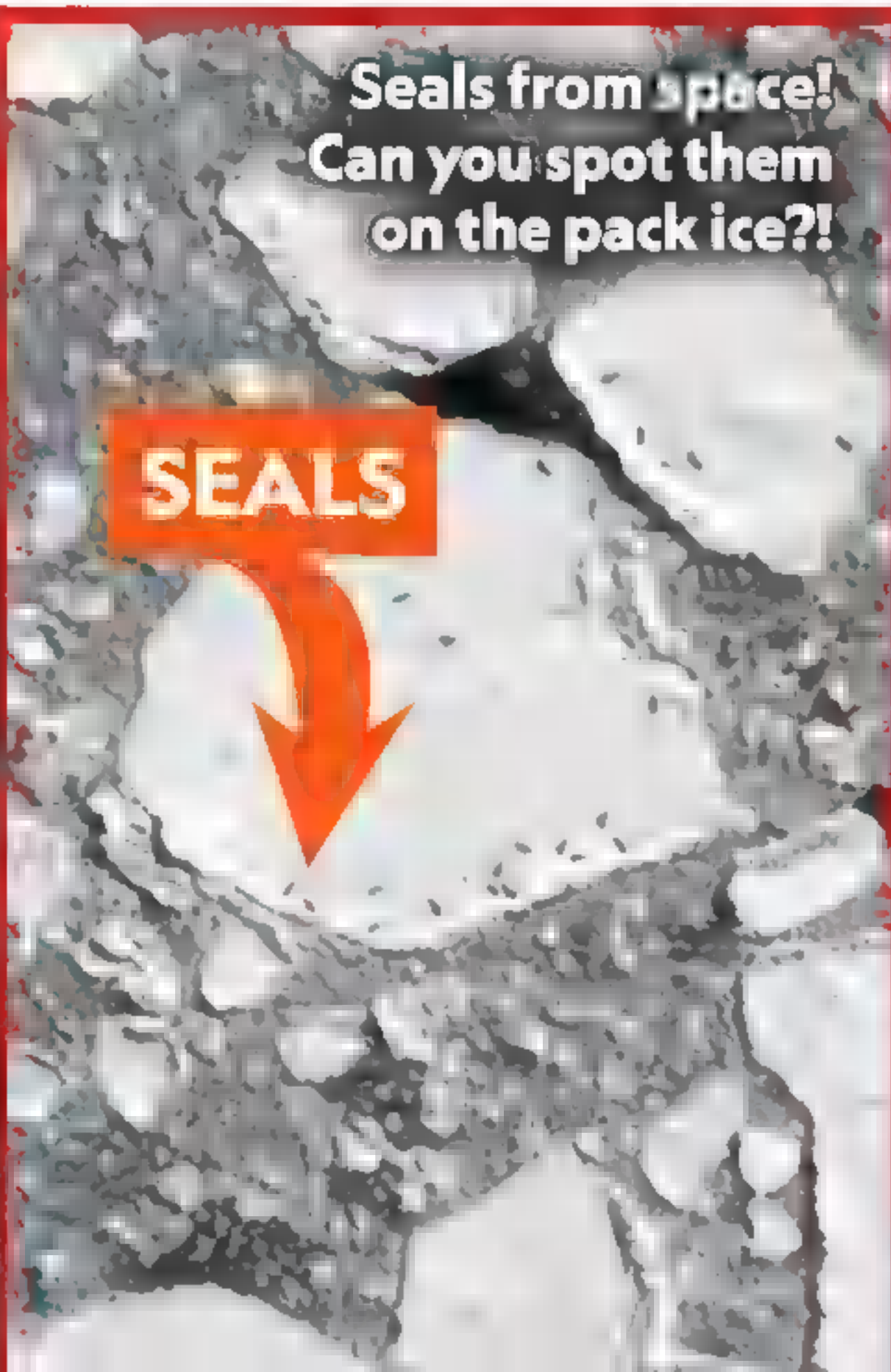
Wow! What are you working on at the moment?

Right now I'm **analysing** and processing all the **data** I gathered in Antarctica to reveal each seal species' unique **'spectral signature'**. Hopefully, next year I'll **return** and take more measurements using fancy **drones**!

Sounds great. Good luck, Prem!



Prem and his proud parents at his graduation!



Seals from space! Can you spot them on the pack ice?!



A seal dozes on the sea ice

HISTORY'S GREATEST HITS

ALL ABOUT

EMMELINE PANKHURST

Meet the woman whose fearless campaigning led to British women finally being allowed to vote!

1858

Born Emmeline Goulden in Manchester, England, in 1858, her parents were very politically active. They supported women's **suffrage** (the right to vote) and campaigned against slavery. Emmeline was the **oldest of ten children**, and helped look after them. As she was super bright, Emmeline's brothers nicknamed her **'the dictionary'**, and she'd often read the newspaper to her dad. This sparked a lifelong interest in politics.



GOOD GRIEF, YOU WON'T BELIEVE WHAT THE PM SAID, DAD!

1873

Despite her parents' belief in women's rights, they put her brothers' education above hers. At 14 she was sent to a **'finishing school'** in Paris, France, to learn to be graceful and refined. Happily for Emmeline, the head teacher believed that girls deserved an education that was just as good as boys', and so alongside her **embroidery** classes Emmeline got to learn **bookkeeping** (keeping financial records for businesses) and chemistry.

1878 - 1898

Emmeline returned to Manchester in 1878 and got together with lawyer Richard Pankhurst - a strong supporter of women's rights. A year later, the pair married and eventually had five children. But Emmeline stated that she didn't want to be a 'household machine' so she hired a butler to look after her kids. In 1889, Emmeline, Richard and a few others created the **Women's Franchise League (WFL)** to help women get the right to vote in local elections. It was Emmeline's first taste of **activism** (political action).



1898 - 1914

After Richard died in 1898, Emmeline threw herself into the **suffrage movement**, starting the **Women's Social and Political Union (WSPU)** in 1903 with her daughters Christabel and Sylvia. The group held **protests** and published a newspaper called **Votes for Women**. But it wasn't long before the WSPU (or 'Suffragettes' as the paper called them) started using more **aggressive** tactics to make themselves heard, including arson, smashing windows and **damaging public art**. In 1912, Emmeline was jailed for nine months for throwing a rock at the Prime Minister's house!



1914

Many **Suffragettes** were arrested during this time, and whilst in prison they would often protest by going on **hunger strike**. This led to many of them being **force-fed**. Drawings of this brutal treatment were published in the newspapers and led to the Suffragettes gaining lots of **support** from the public. However,

Emmeline put their campaign on hold in 1914 when **World War I** began. She encouraged women to support the war effort by taking jobs such as **factory work**.

1918 - 1928

The **hard work** of women during the war, doing what were usually thought of as 'male' jobs, finally convinced the government to give women over 30 the right to vote in 1918. Sadly, Emmeline died a few weeks before British women were granted full voting rights. In 1928, but her sacrifice and determination changed UK society forever!

I WILL WIN THIS FIGHT FOR WOMEN'S RIGHTS!







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 NATIONAL
GEOGRAPHIC
KIDS
GUINEA PIG



 NATIONAL
GEOGRAPHIC
KIDS

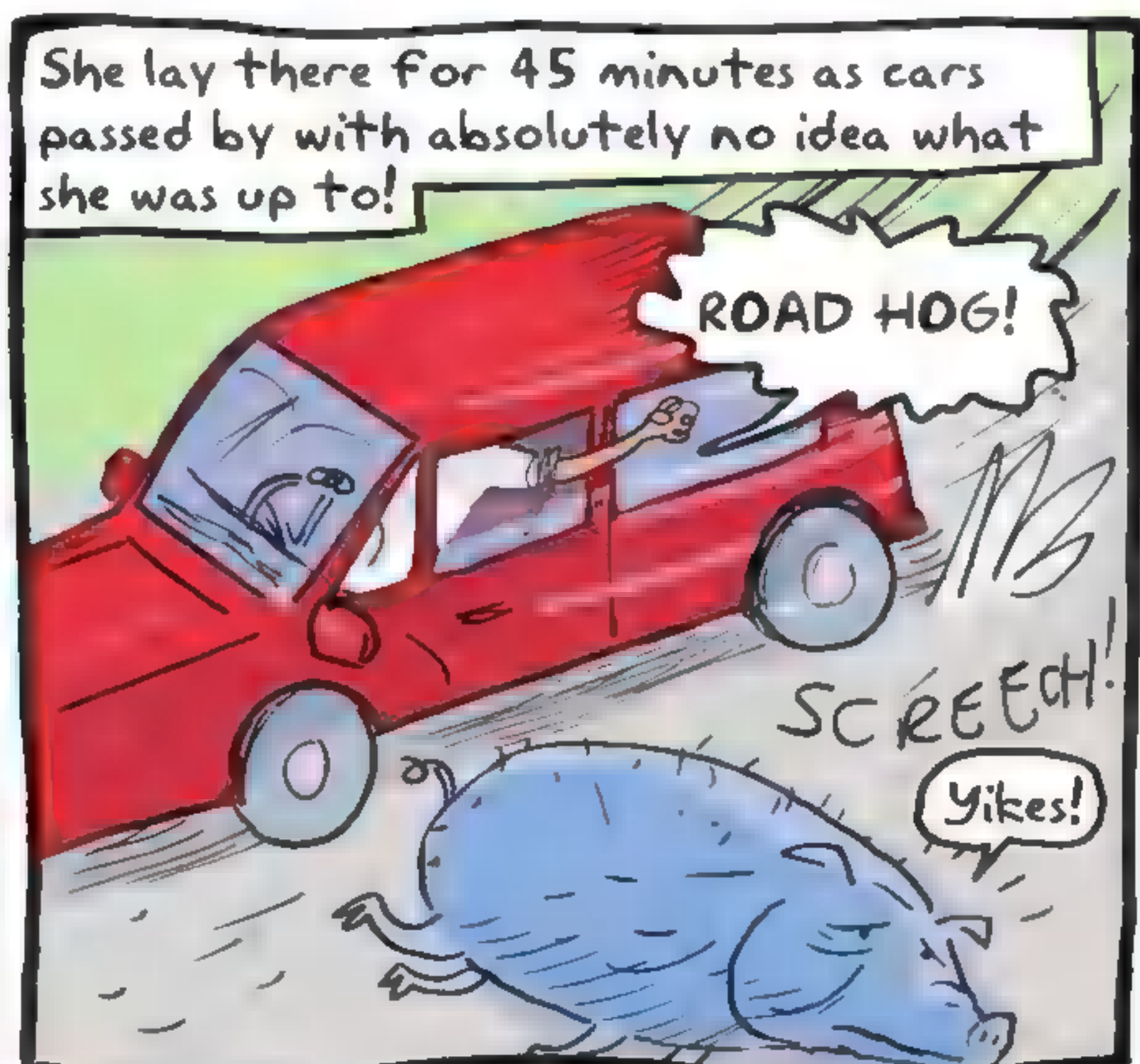
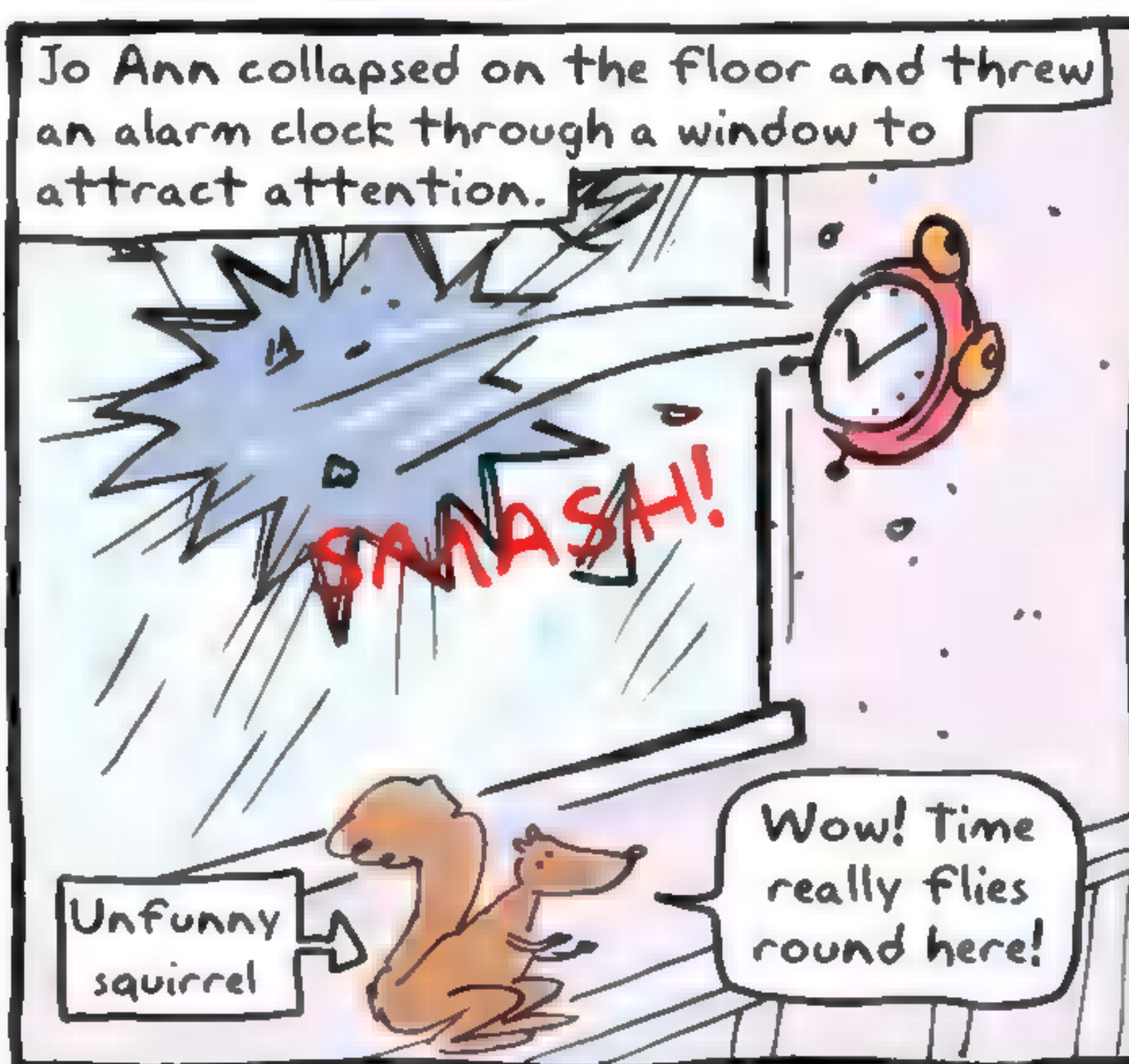
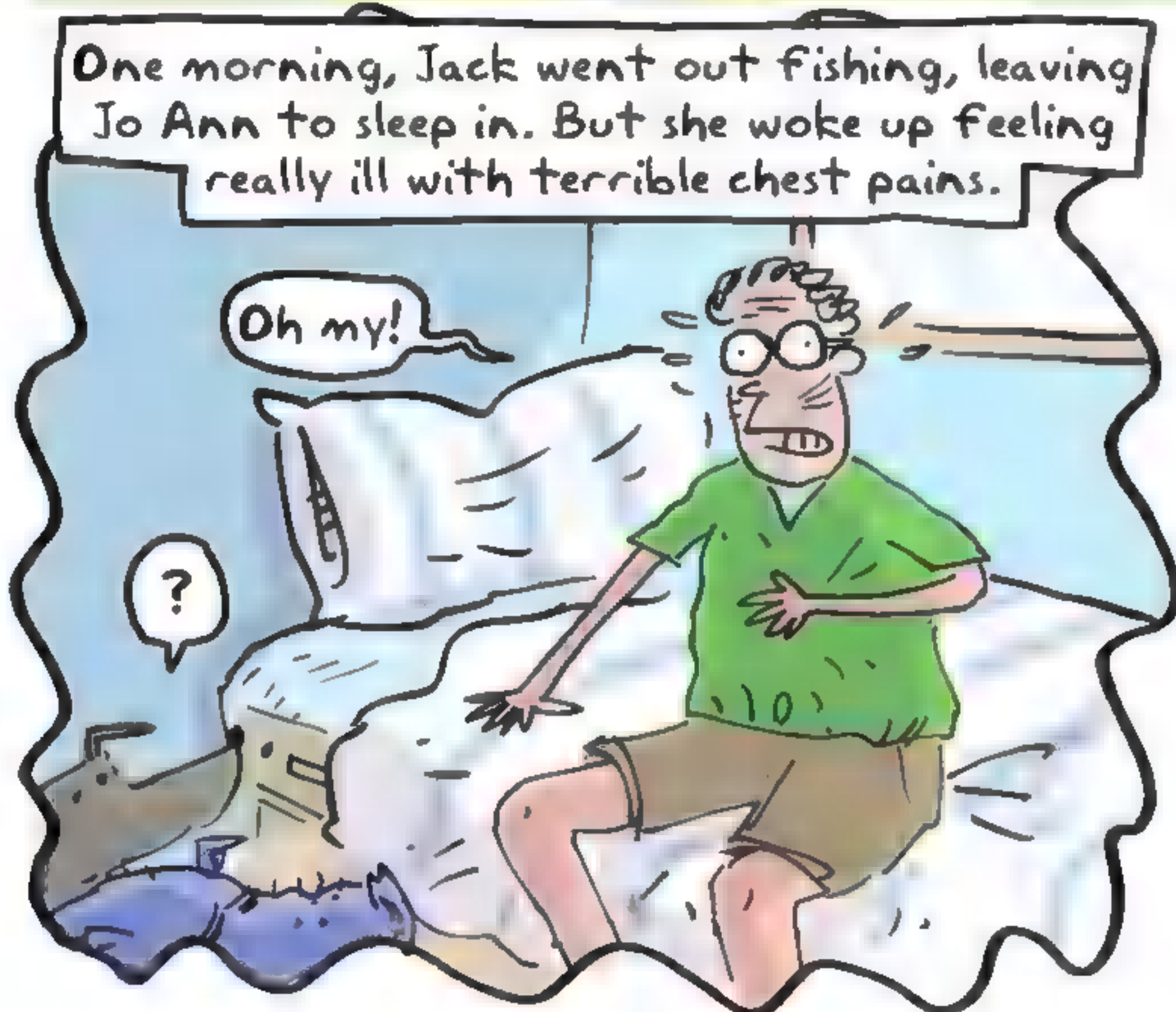
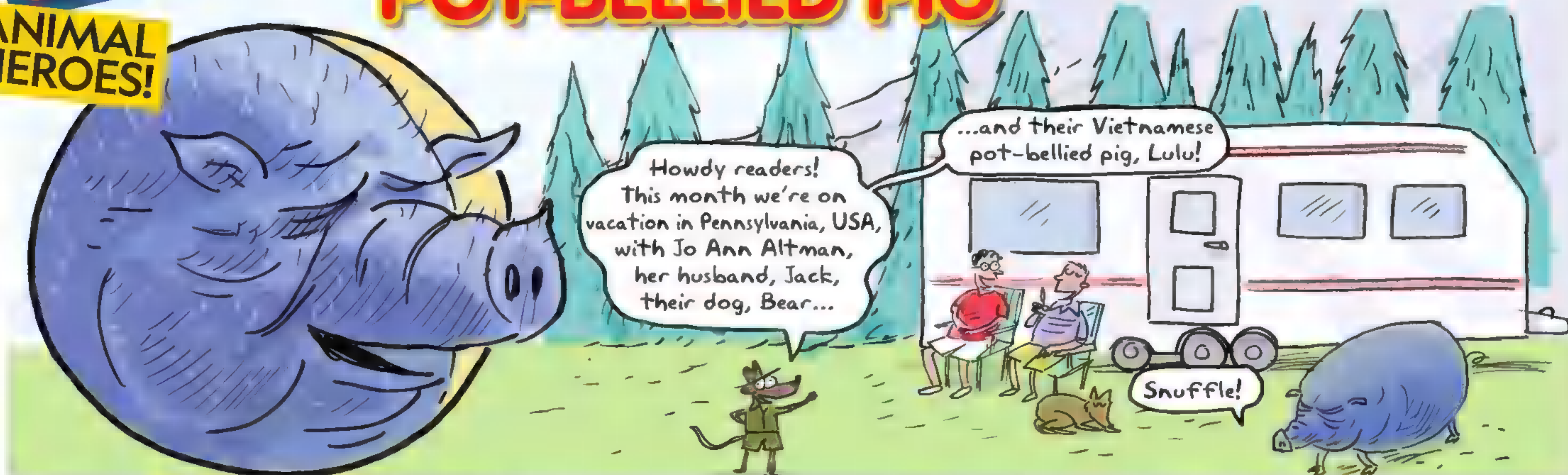
BOLONKA ZWETNA



MAX MEETS... LULU, THE PET POT-BELLIED PIG

**ANIMAL
HEROES!**

This month, NG KiDS' time-travelling mouse, Max, visits Lulu – a plucky porker that saved her owner's life!





18

WAYS

YOU CAN HELP

About **one million species** of **plants and animals** are in danger of becoming **extinct** in the next few decades, according to a report from the **United Nations**. But we **still have time to help**. By **working together**, scientists, politicians and **kids like you** can make positive changes.

Have a favourite animal you want to protect? Here's how you can help save them!

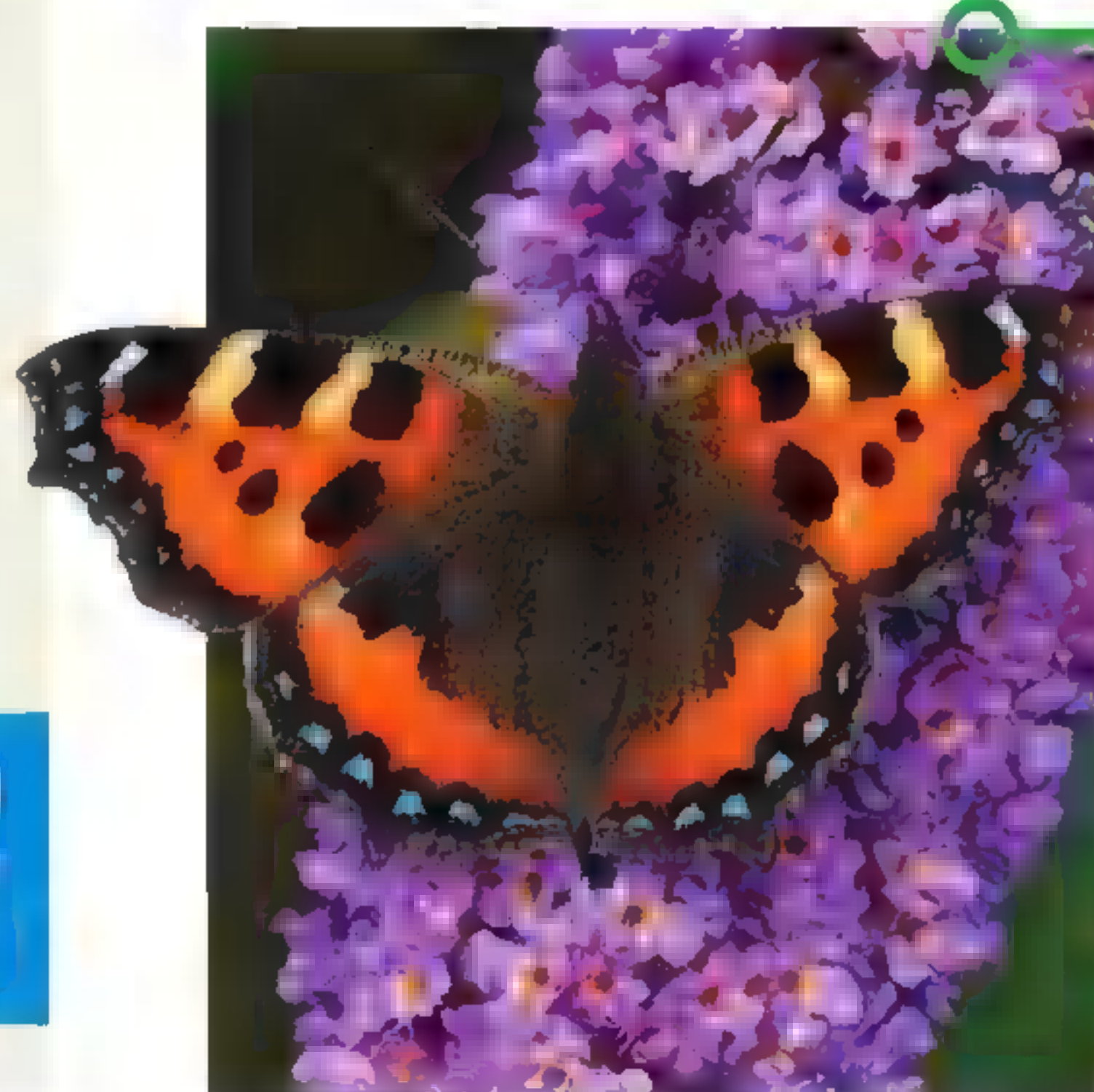


ELEPHANTS

The world's **largest land mammals** are still poached for their **ivory** despite a ban on the trade.

HOW YOU CAN HELP

Adopt an elephant at **wwf.org.au** and **never** ever buy trinkets made from **ivory**.



BUTTERFLIES

There are over 600 **Australian butterflies**, but at least 20 are under threat from **habitat loss**, **pesticides** and invasive plants.

HOW YOU CAN HELP

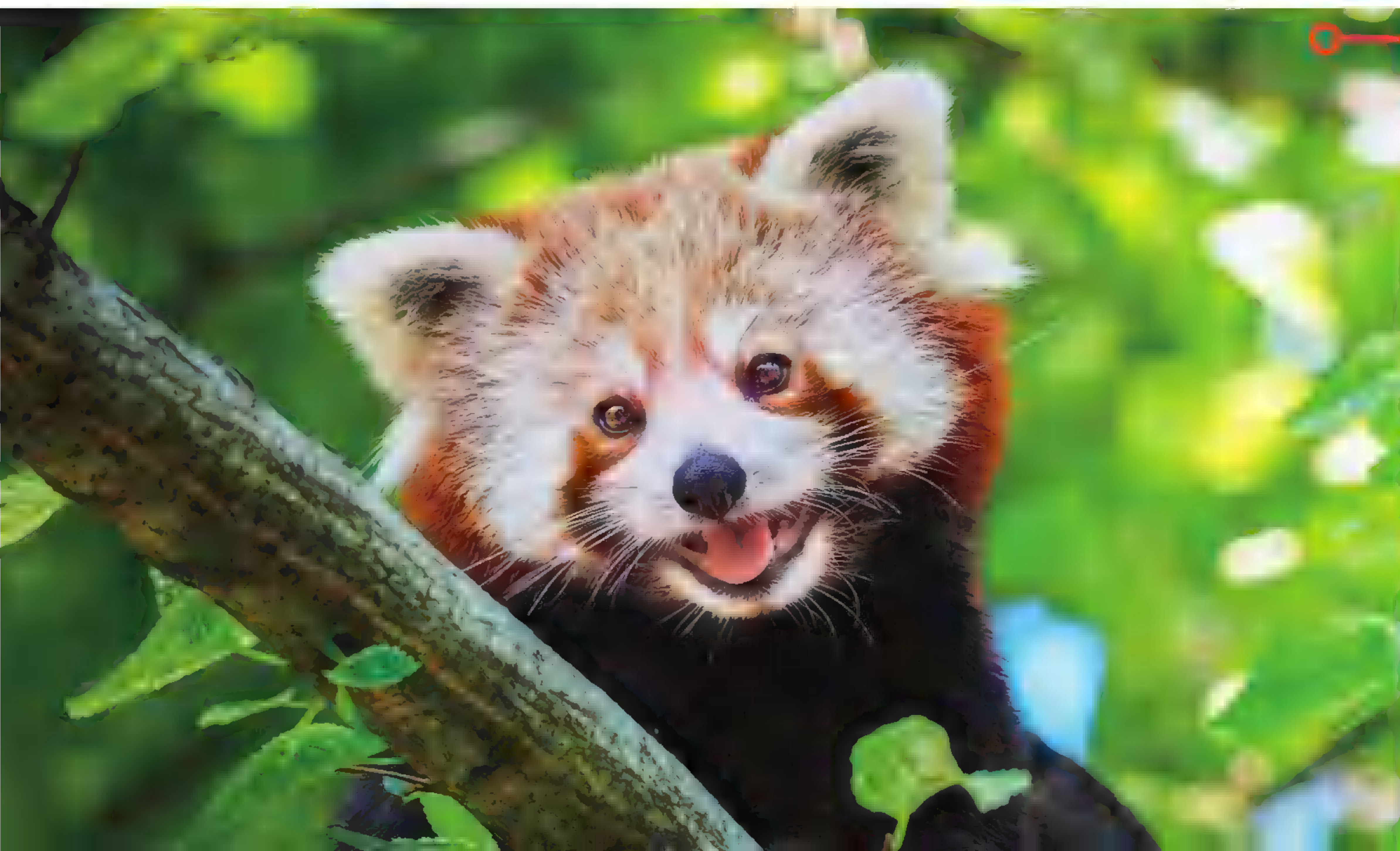
Caterpillars are **fussy eaters**, so research the ones **native to your area** and grow their favourite plants. **Avoid pesticides!**

RED PANDAS

Crazy-cute animals like **red pandas**, **slow lorises** and **Asian small-clawed otters** are being **captured from the wild** and **sold illegally** as **pets** – even though these animals **suffer** when they live in people's homes.

HOW YOU CAN HELP

Never purchase an animal that should be **living in the wild** and ask your parents **not to 'like' photos and videos** of these animals as pets on **social media**.



LIONS

The **African lion** population has **decreased by half** in the past **25 years** because of things like **habitat loss** and **poaching**.

HOW YOU CAN HELP

Instead of a birthday gift, ask your friends and family to **donate** to an **organisation** that **protects** your **favourite animal**. Lions certainly need help, but you can pick whatever animal you want!



PANGOLINS

These mammals are poached for their **scales**, which some people think can be used as **medicine**. But just like **rhino horns**, pangolin scales are made of **keratin** – they **don't** have any **medicinal value**.

HOW YOU CAN HELP

Many people don't even realise that pangolins exist. So **write a report**, **make a poster** or send a **letter** to your **local newspaper** to let people know that they **need help**.

SEA TURTLES

Floating in the water, **plastic shopping bags** look just like a **leatherback sea turtle's** favourite snack – **jellyfish**.

HOW YOU CAN HELP

Say **no** to plastic carrier bags and try to remember to take a **reusable tote or backpack** to the shops. If you have plastic bags at home, reuse them!



Leatherback sea turtle hatchling

GORILLAS

Most **mobile phones** and **computers** contain a **mineral** called **coltan**, which is mined in **gorilla** and **chimpanzee** habitats in **Africa**.

HOW YOU CAN HELP

Coltan can be reused, so always **recycle your tech** to prevent the need for more mining.





Basking sharks have been targeted for their oily livers

SHARKS

An estimated **three million sharks** are **killed** each year to harvest their **liver**, which is put into products like **sunscreen**. Others are **unintentionally caught** through **commercial fishing**.

HOW YOU CAN HELP

Choose products marked '**cruelty free**' and look for **sustainably sourced seafood** (meaning your meal was **caught** in an eco-friendly way).



White-lipped tree frog

FROGS

Four species of Australian frogs have become **extinct**, and around **27** more are under threat.

HOW YOU CAN HELP

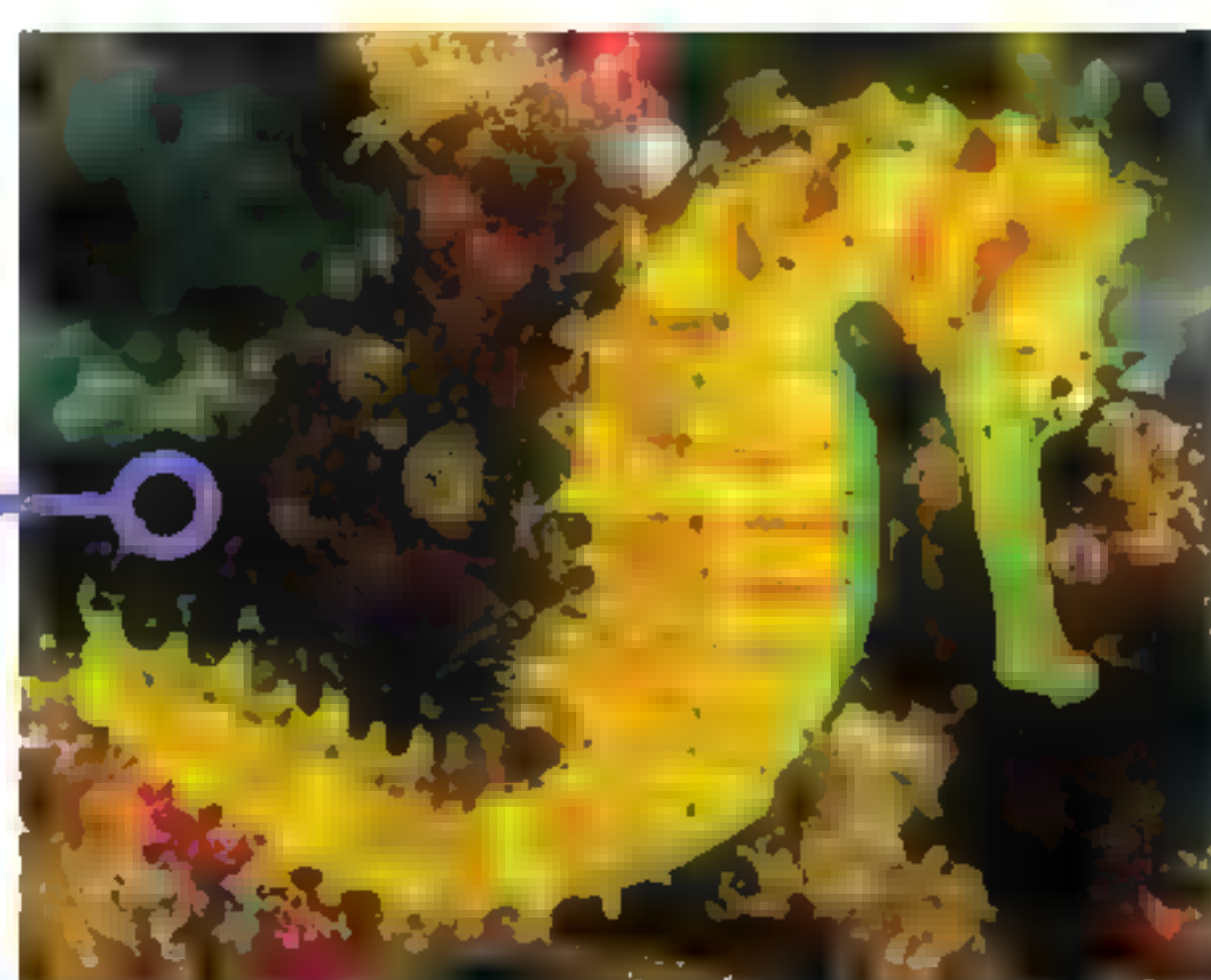
Take care when visiting national parks **not to disturb habitat**, and **never remove frogs or frogspawn** from the wild.

SEAHORSES

Chemicals in some **sunscreens** can **kill coral**, the **tiny animals** that create **reefs**. These coral reef ecosystems support thousands of species, including **seahorses**, **blue tang** and **whale sharks**.

HOW YOU CAN HELP

Simply slather on sunscreen that's labelled '**reef safe**' next time you hit the beach.

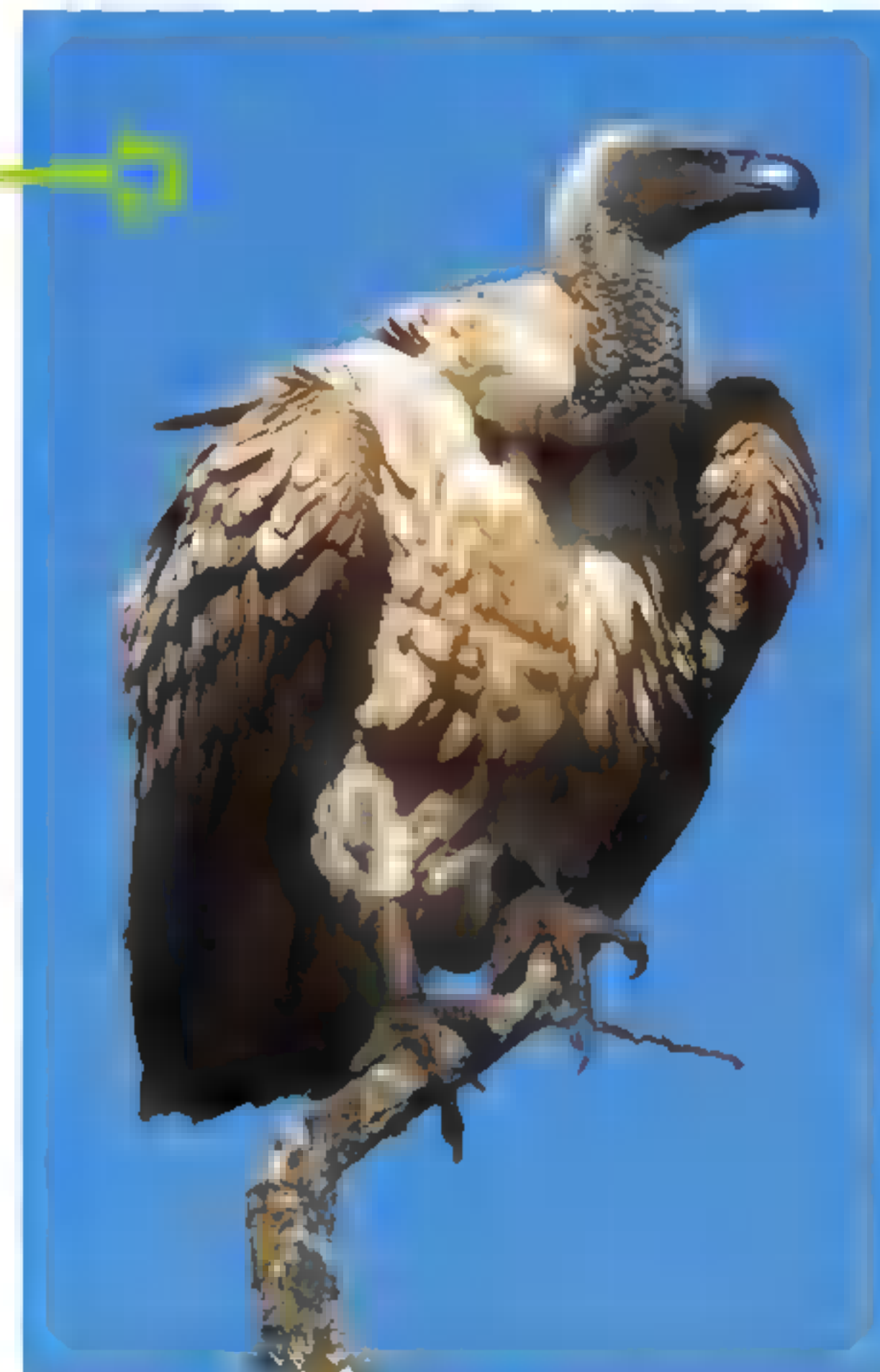


VULTURES

Many of these magnificent **scavengers** are on the edge of extinction. They're often **poisoned by poachers** to stop them drawing attention to **illegal kills**.

HOW YOU CAN HELP

Spread the word that **vultures are awesome!** Nature's '**clean-up crews**', these incredible birds prevent the **spread of disease**.



SLOTHS

Parts of the **Amazon rainforest** are being **burned** to **clear land** for **cattle**. This destroys the homes of animals like **sloths**, **anteaters** and **toucans**. The beef is shipped to burger-hungry countries worldwide.

HOW YOU CAN HELP

Eating **meatless meals** even **once a week** could help **protect the rainforest** and the animals that live there.



SAVE OUR SEALIFE!



More than eight million tonnes of plastic ends up in our oceans each year. You can help stop this!

16

Carry a **reusable bottle** filled with **water** from **home** instead of buying **single-use plastic water bottles**. Nearly **one million** plastic bottles are sold **every minute**.



17

Pack your lunch or snacks in **reusable containers** made of **silicone**, **glass** or **metal** instead of single-use plastic baggies. Then carry them all in a **reusable lunch bag**.



15

LEARN ABOUT CITES

The **Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)** is an agreement between the governments of **183 countries** to make sure that the **trade of wild animals** and plants doesn't **threaten their survival**.

Depending on the protection needed, this could mean that **trade is banned** almost completely – for example **ivory** from **elephant tusks** – or there could be **tight controls** surrounding it.

CITES came in to force in **1975**, with Australia signing up in **1976** and **New Zealand** in **1989**. Currently **35,000** species are listed. Without it, it's likely many more animals would have gone extinct.

Keep learning about CITES, researching how it has helped your favourite animals. Then tell your friends and family what you've discovered. By spreading the word about animals, you're helping to save them!

ORANGUTANS

Some rainforests where **orangutans** live are being destroyed to grow **palm oil trees**. The oil is sometimes used in products such as **peanut butter, chocolate, ice cream** and **soap**.

HOW YOU CAN HELP

Try to **avoid** items that contain palm oil, or look for a label that confirms it was grown in a way that's **rainforest-friendly**.



TIGERS

Snapping **pics** with a **captive tiger** or **riding an elephant** might seem harmless but these animals often **suffer** behind the scenes – and they should be **living in the wild**.

HOW YOU CAN HELP

Don't visit facilities where animals are **chained, performing** for **entertainment**, or interacting with people who aren't keepers. Instead, **watch wild animals** behaving **naturally** from afar.



18

Say **no** to **plastic straws**. If you need a throwaway one, use **paper straws**. If you can carry your own straw, choose one made of **bamboo, metal** (right) or **silicone**.



JUNIOR EXPLORERS' CLUB

ART ZONE SPECIAL

CRAZY FOR KOOKABURRAS



Abbey and the friendly kookaburra!

POSTCARD FROM...

ZIMBABWE & SOUTH AFRICA



Marvellous Milly!



Hi!
Here is my drawing of the **kookaburra** from issue 59's **Big Picture** of the month.
Jess, 12
■ Impressive detail, Jess!



QUARANTINE TIPS



Hi Nat Geo Kids!

Due to my **allergies**, I have been in **isolation** since the **beginning of March**. But because I've been **home-schooled all my life**, I have many **cool tips** for ways to stay active at home:

- ★ Play **Minecraft Creative** on **family-friendly servers**. You can make friends all over the world!
- ★ See if your **parents** can teach you any **new skills**. I am learning **embroidery** from my mum and **coding** from my dad.
- ★ Finish reading all your **favourite books**.
- ★ Develop new styles of **writing** and **drawing**. I've picked up **anime**, **kawaii** and **chibi sketching techniques** online.

The world is going through a **challenging time** but I believe it's also a great opportunity to **discover your own strengths** and **talents**. Spending time at home with **family** is a great chance to get to know them, too!

Milly, 8

P.S. Don't forget to wash your hands!

■ Thanks for sharing your inspirational thoughts and ideas, Milly! Check out page 40 for more fun activities to try!

Hi NG KIDS,
I live in **Tasmania**. We've been getting **kookaburras** in our **backyard** – **five** come to visit us each day. They have been keeping us entertained while we are **learning from home**. One even landed on our deck while I was doing some **art and craft**. I also made a kookaburra **sculpture** using **natural materials**.

Abbey, 7

■ Amazing pics, Abbey! Looks like the bird was impressed by your cool craft, too!



COVER STAR!

NAME: Snowy the cockatiel

AGE: 1.5 years

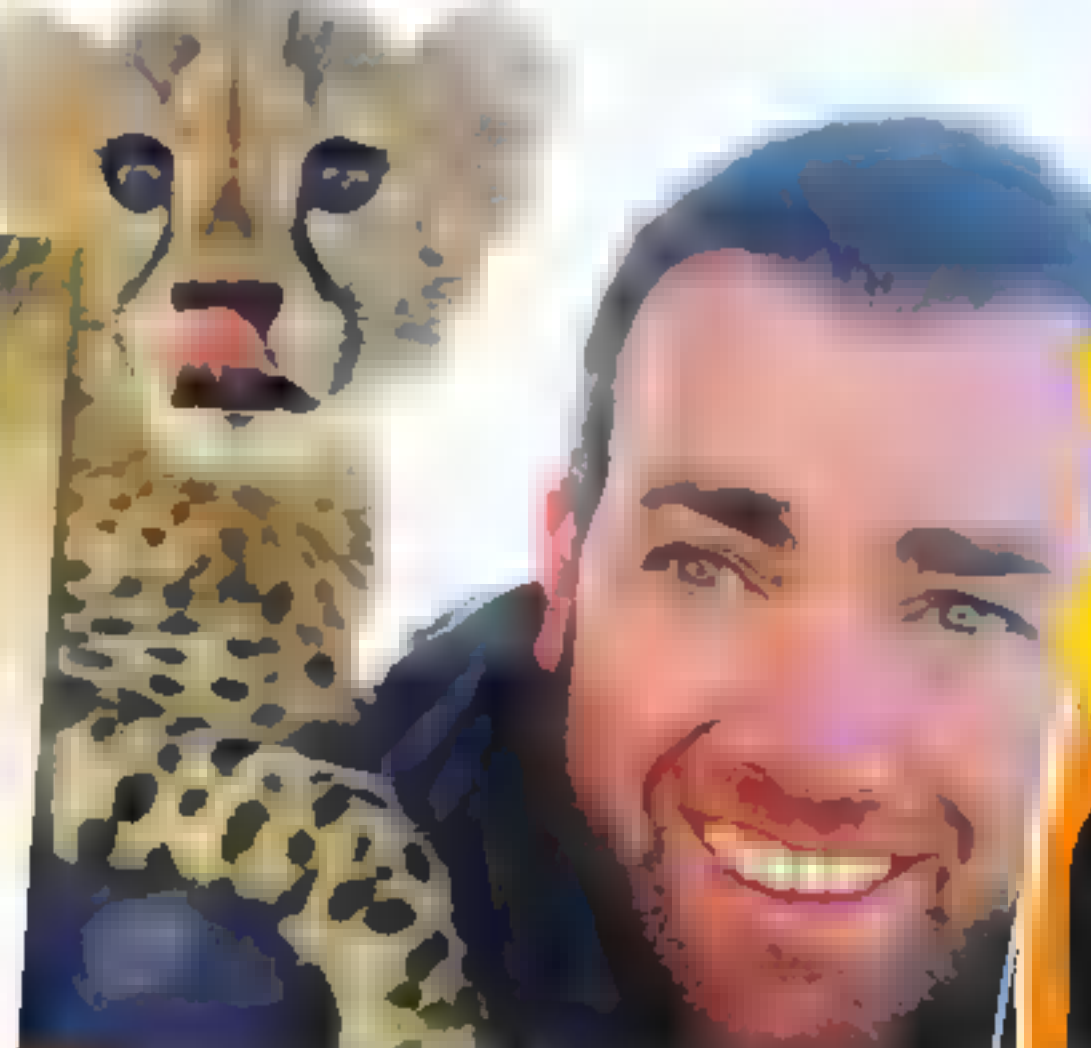
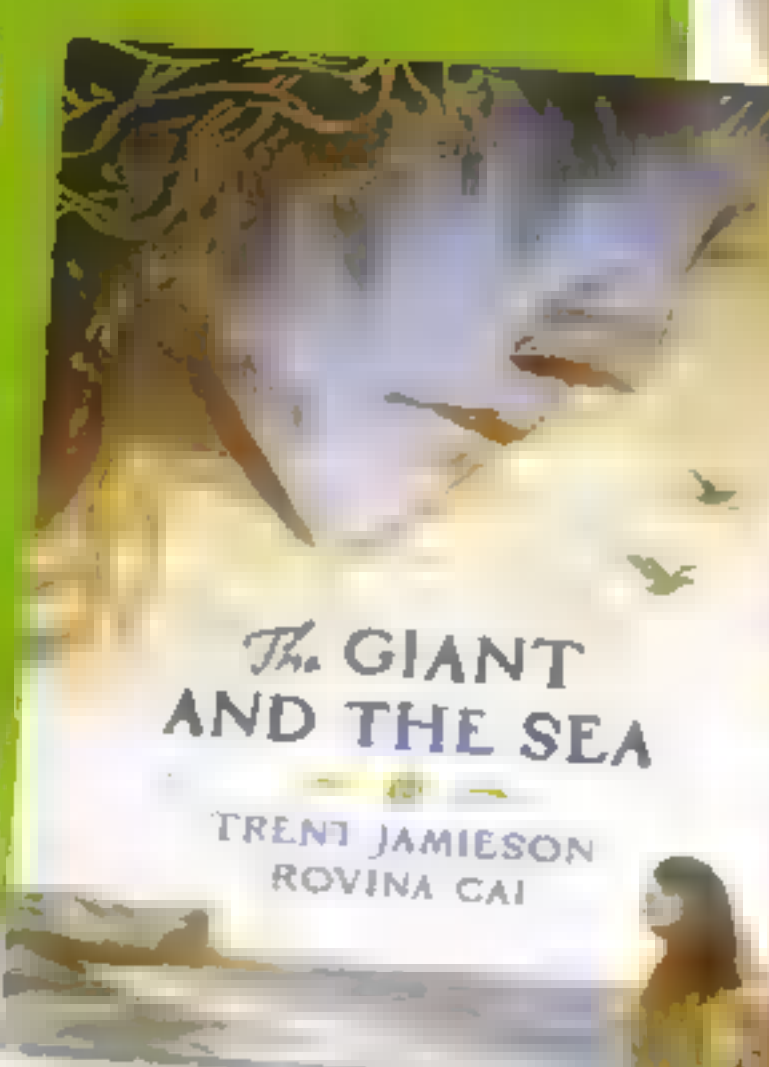
LIKES: Company! She chirps and whistles when she wants attention, or climbs up our feet for a cuddle

DISLIKES: Going to bed and being bothered while she eats her food

OWNER: Maximus, 8

We want to hear from you! Send in your artwork, jokes, craft pics and pet photos. Tell us about your wildlife sightings, hobbies, interests and opinions! We can't reply to everyone but a selection will be printed here! Email us at editorial@ngkids.com.au

Every picture on these pages will receive a copy of *The Giant and the Sea*, a beautiful children's story book about climate change and the power of hope.



WILD CAT CONSERVATION

with Ben Britton



Nat Geo KIDS mag on safari!

Dear Editors!

We went to Africa for our school holidays. First to Zimbabwe to see the amazing Victoria Falls. Next we went to Cape Town in South Africa, and we also saw penguins at Boulders Beach. After that we went to the Kruger National Park where we saw lots of animals such as impalas, giraffes, zebras, hippos, elephants, cape buffalos and protected white rhinos. There were a lot of babies as well. Our favourite animals are leopards and lions.

Sami, 9, and Phoebe, 7

Sounds like a great adventure! Let's hope we can all resume our travels before too long.

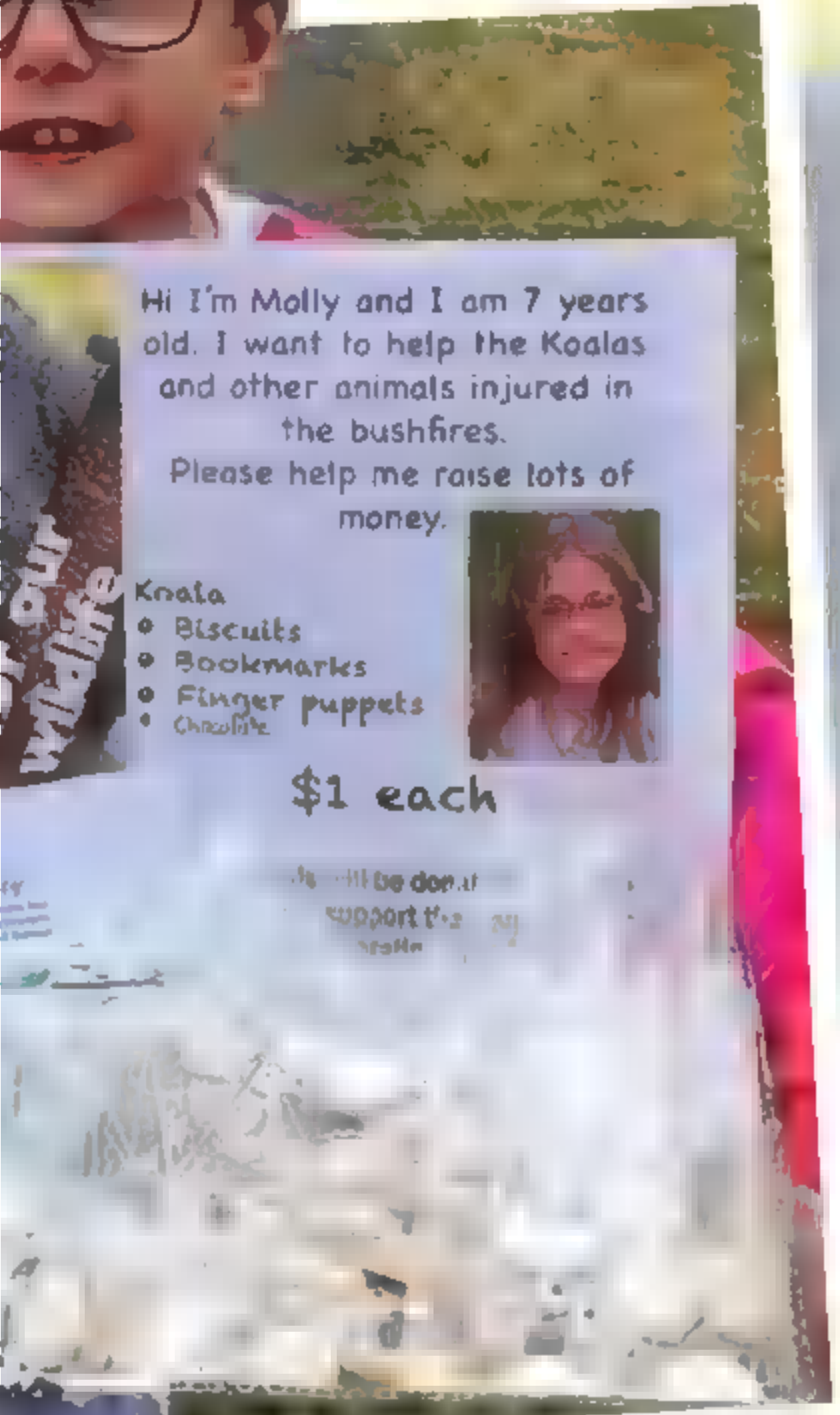
HERO OF THE MONTH

Dear NG KIDS,

After the bushfires that affected Australia I wanted to help koalas devastated by the loss of their habitats. So at a cycling event in Ballarat I walked around selling koala cookies, bookmarks, finger puppets and chocolates. I raised over \$350 for Wildlife Victoria!

Molly, 7

Wow, Molly, that's so impressive!



OP THE SMOKE!

Hi NG KIDS!

Cigarettes are a real problem – when people smoke, their smoky air can affect others, especially those with **asthma** (like my little sister, Penny).

I want to live with **clean air** so I wrote a letter to our council explaining my concerns. The Mayor then invited me to read my letter in a meeting at the council chambers! The council members agreed to help. They decided to put up signs banning smoking within 10m of play spaces used by children at over 120 sites in the Port Adelaide Enfield Council area!

Amber, 9

Amazing, Amber! Never underestimate the power of a letter!



Amber and her sister at the council chambers!



DID YOU KNOW?

Jaguarundis are called by different names in different areas – some of the names they go by include **yaguarundi**, **onza**, **leoncillo** and **gato moro**!

LET'S MEET THE JAGUARUNDI

Where do they live?

Jaguarundis are found in southern Texas, USA, and northern Mexico, through to Central and South America and northern Argentina. They occupy a wide range of habitats including swamps, savannah woodlands, forests and dry scrubs.

What do they eat?

They have a wide diet of rodents, reptiles, small mammals, frogs, birds and even fish stranded in puddles!

How do they live?

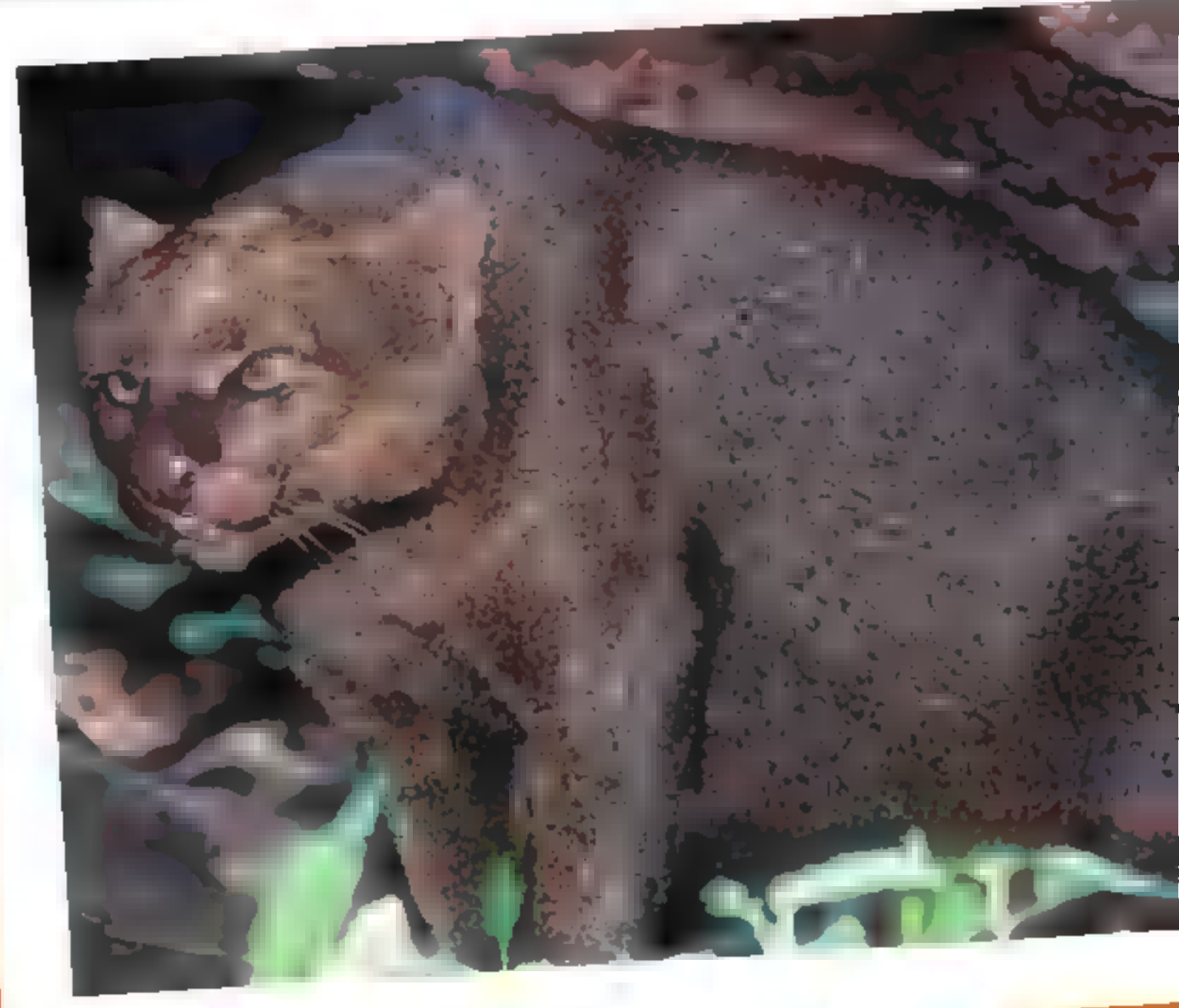
These cats are believed to be diurnal, meaning they are mainly active during the day. They move easily in the trees, as well as on the ground and have been spotted travelling and foraging in pairs as well as on their own.

How big do they grow?

Jaguarundis can range between 2.5-10kg in weight and with a body length of up to 77cm and a very long tail length of up to 60cm!

How do they communicate?

Like most cats, jaguarundis will communicate with visual signals, scents and vocalisations. They will also scent mark their territory by spraying urine and scratching trees. They have a wide variety of vocalisations, with 13 different calls such as purrs, yaps, whistles and chirps.



Ben's fave fact!

Due to their slender, long, low-to-the-ground body shape and otter-like tail, these felines are often wrongly thought to be a part of the weasel family!

To learn more about Wild Cat Conservation go to wildcatcentres.org.au

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HarperCollinsChildren'sBooks
presents

David Walliams Are you ready for **SLIME**?!

Welcome to the Isle of Mulch, where *all* the grown-ups are horrible and love nothing more than being mean to children...

Mulch is ruled by the wicked Aunt Greta Greed, and is home to a large number of awful adults. They run the school, the local park, the toy shop and even the island's ice-cream van, making the children's lives a misery. Something needs to be done! But who is brave enough to stand up to them?

Meet Ned – an extraordinary boy with a special power. **SLIMEPOWER!** He may be the only one who can help the children of Mulch, alongside his new best friend... **SLIME!**

MEET THE CHARACTERS!

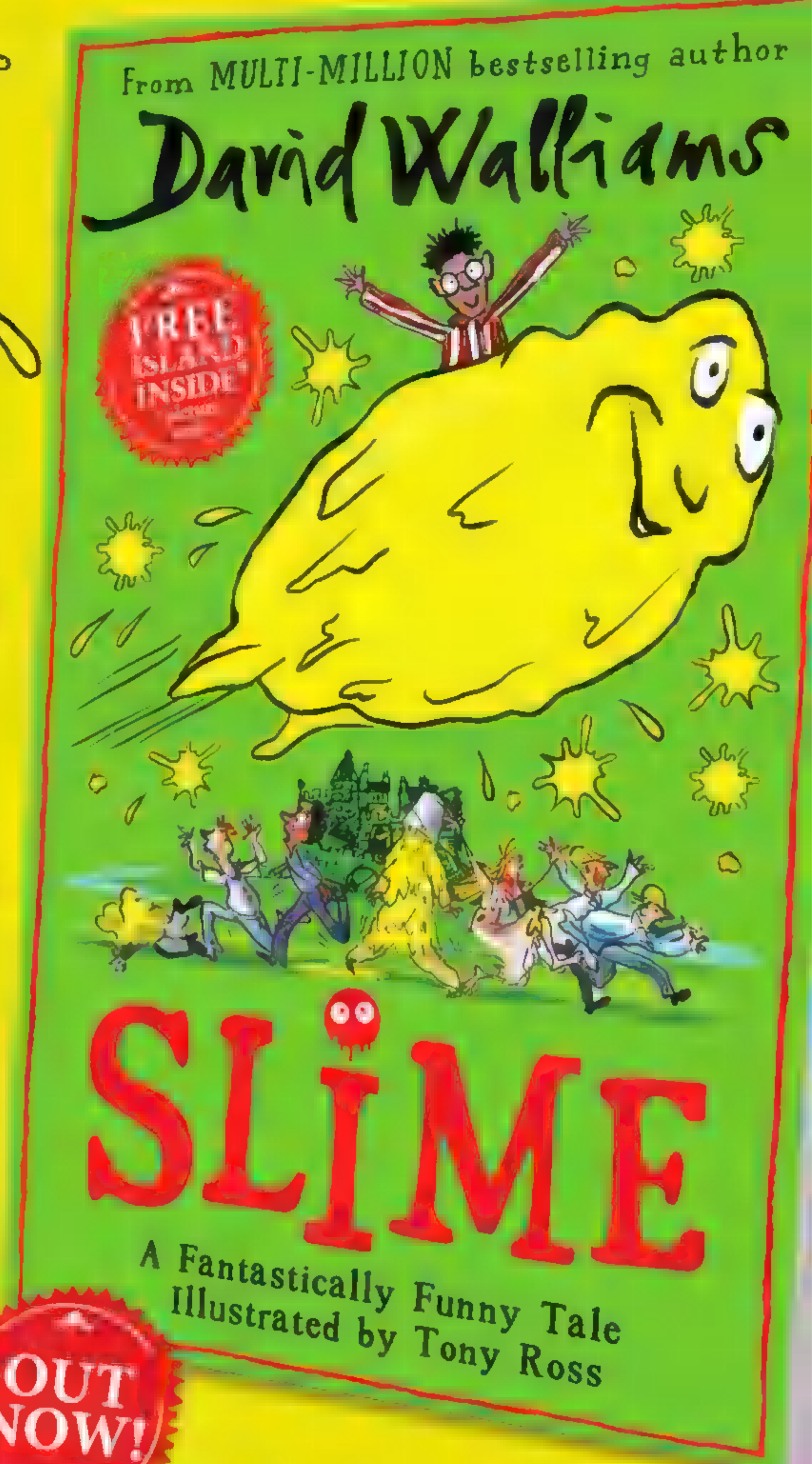
NED

This bright and funny boy of 11 creates an extraordinary best friend for himself... Slime!



SLIME

Ned's new best friend will help him take down the rotten grown-ups on Mulch!



HELP FIND SLIME!

Which route leads Ned to his best pal on the Isle of Mulch?



ISLE OF MULCH

SLIME SEARCH!

Can you find all these characters from the book in the grid below?

☐ Aunt Greta Greed
 ☐ Edmund Envy
 ☐ Ned
 ☐ Jemima
 ☐ Slime
 ☐ Walter Wrath

U	M	Y	M	L	N	L	W	T	F	V	M	E	E	G
X	A	K	U	S	F	Z	S	L	I	M	E	S	D	E
A	N	U	M	F	I	A	P	D	Y	Q	T	B	M	N
I	X	S	N	L	Y	C	Q	C	Q	P	H	J	U	T
L	X	R	K	T	B	J	A	N	Z	O	A	E	N	P
U	L	V	O	E	G	M	C	I	B	Y	G	F	D	N
K	W	A	L	T	E	R	W	R	A	T	H	O	E	O
L	E	I	N	S	I	A	E	D	R	G	J	Z	N	N
P	I	P	L	O	N	O	S	T	Q	U	B	Y	V	L
L	I	J	I	F	W	G	B	N	A	S	Z	L	Y	M
V	E	R	E	F	K	M	H	I	Q	G	D	B	G	O
R	M	B	Q	M	B	K	D	E	H	S	R	T	M	P
B	X	Z	E	P	I	V	M	Q	D	N	Q	E	N	B
T	U	N	M	G	S	M	C	A	F	K	U	P	E	W
X	J	Z	K	P	C	J	A	E	N	E	D	K	F	D



Answers on page 49.

JEMIMA

Ned's big sister loves nothing more than playing horrid tricks on her little brother!



AUNT GRETA GREED

The rich auntie of Ned and Jemima, Aunt Greta Greed owns Mulch, and is the most awful grown-up on the whole island!



WIN!

SLIME BOOKS!

Five readers will win a copy of David Walliams' latest book. Just answer this question on our website to be in with a chance!



Q Which of these other books is NOT by amazing author David Walliams?
a) *Fing* b) *Mr. Stink* c) *The Twits*

Enter at natgeokids.com/au by 2 July

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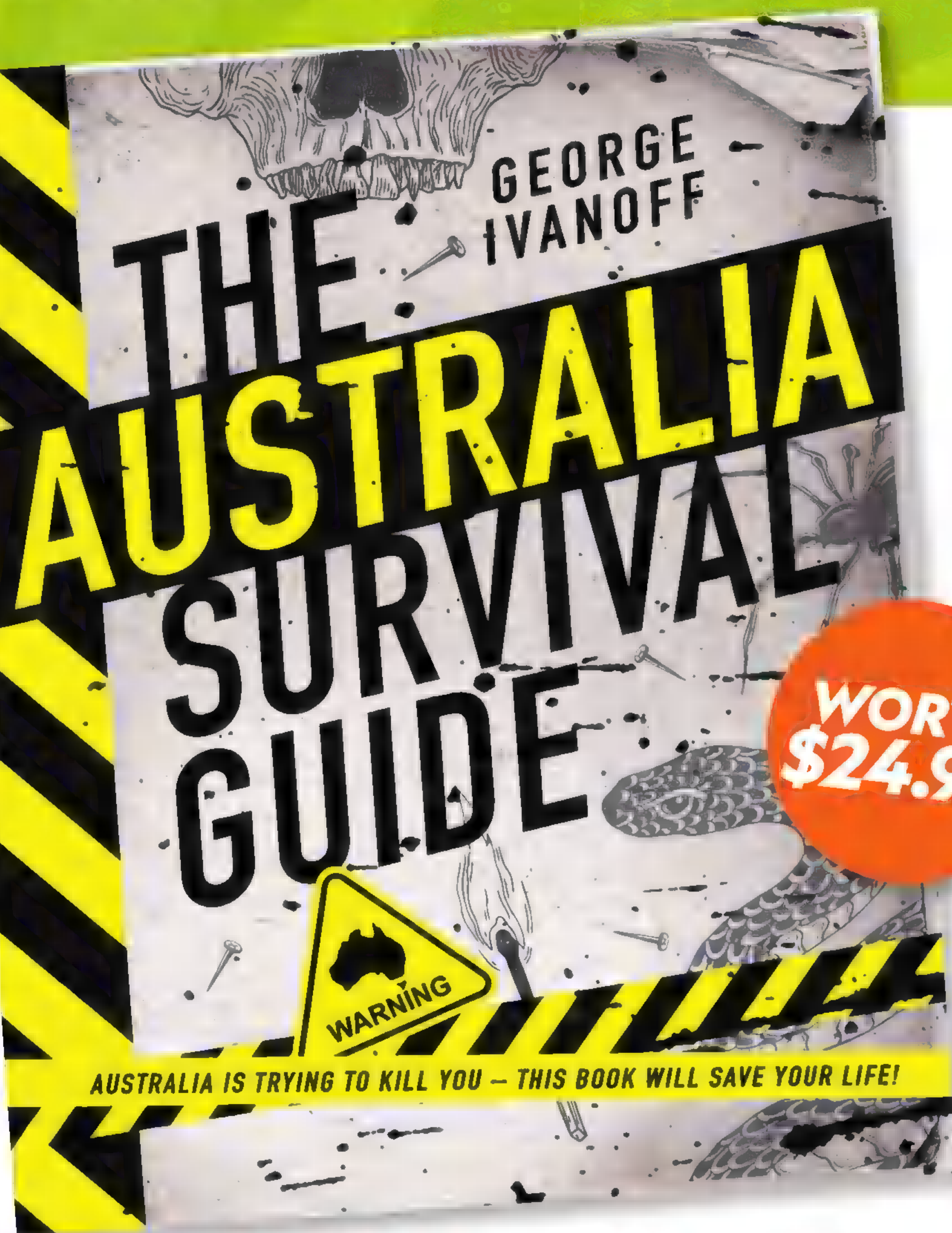
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Oh no! You've been **bitten** by an inland taipan **snake**? No need to panic, **The Australia Survival Guide** has the **first aid advice** you need! What's that? You're **out in the bush** and want to know how to **collect your own water**? **The Australian Survival Guide** has got you covered.

Australia has more than its **fair share of dangers**: sharks, snakes, cyclones and crocs can be a **serious threat**. But don't worry - this comprehensive (but **hilarious**) guide by top author **George Ivanoff** will provide all the knowledge you require to survive in all kinds of Aussie conditions, and is crammed with **up-to-date statistics, real-life stories** and **photographs**. Cool!

● Check out more awesome reads at penguin.com.au

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BUMPER FUN

1

CREATE CHEERFUL WINDOWS

Kids all around the world have been picking up **drawings of rainbows** to raise spirits in these tricky times, or displaying family photos. But why stop at rainbows and rays? What **other colourful displays** could you create in your windows?



People around Australia are wearing **fancy dress** to put the blues out! Are you having party? Send us your best!



2

BALLOON TENNIS

Who says you can't play sports inside? Make a racket of bats from **paper plates** held to wooden spoons, and use a **balloon** as your ball. The furniture should stay safe – we hope!

If your local postal service stops, write the letters anyway and then deliver them whenever you can!



3

SEND MAIL!

Loads of you are probably **keeping in touch** with your mates and friends **online**. But how about **sending a letter** or **homemade card** to someone who might be **lonely**? Getting **mail** through the **post** is **really exciting** – and if you include your address you might even get a **reply**!



N STUFF!

Looking for entertaining stuff to do while stuck indoors? Try these 12 amazing activities with your family, and tackle our perplexing puzzles, optical illusions and cool crafts, too!

4

MARVELLOUS MEALS

How about having themed meal times? The only eating green food ever? Or having an indoor picnic on a rug on the carpet. You could dress up the dinner, choose music to match the food, or travel around the world with different cuisines.

5

FAMILY TREE

While you're inside with your family members, it might be a good time to investigate your family history. Put together a family tree, asking older relatives to help them fill in the gaps. How far back in time can you get?

7

WRITE A STORY

Check out the Story Island Project. You get loads of great tips to help get you writing. Try the ones on the right, then check out storyislandproject.org for lots of more ideas! When you've finished, try reading the story out loud to your family after dinner or before bed.

8

BREAK A WORLD RECORD!

Being stuck indoors is the perfect time to attempt to break a world record! Will you try the most Smarties eaten in one minute while blindfolded? Jump chopsticks? Or the most socks put on one foot in 30 seconds? Check out the Guinness World Records website for ideas! kids.guinnessworldrecords.com/activities/try-this-at-home

Ask someone to **hide** a small object in a room and then **race to be the first to find it**. Make sure it's not covered by or inside anything!

6

HOUSEHOLD HUNT!

Take it in turns to write a list of 10-20 things that are on display somewhere in your house and then go on a mission to find them all. They could be a detail in a picture, various ornaments, a particular book, a plant with certain leaves, or even a light switch that looks like a face.

WRITING TIP

Dream up your own fun monster character! Choose an animal, then change some of its features - try changing its fur to scales, its legs to wings, and so forth, and hey presto! You have yourself a new creature! Now, to drop it in your story...

STORY IDEA

Your spaceship has landed on a planet you've never been to before! What's it like there and who do you meet? Do you like it there? Why/why not?

9

DINNER DISCUSSIONS!

Make meal times more interesting by asking everyone in the house to write questions on slips of paper and put them in a jar. Each evening, take one out and read it aloud. Here are some ideas to get you going.

Would you rather only be able to whisper or have a very loud voice?!

Can you each name three things that you're thankful for?

If you could take a dream holiday right now, where would you go?

What was something interesting that you learned about today?

If you could be an animal, what would you be and why?

What's the very best thing about being the age you are now?

10

START A DIARY

What we're going through right now is extraordinary. Make a diary of your thoughts and feelings during this time and record what you've been doing to keep busy. It could end up being an important historical document – future historians will thank you!

11

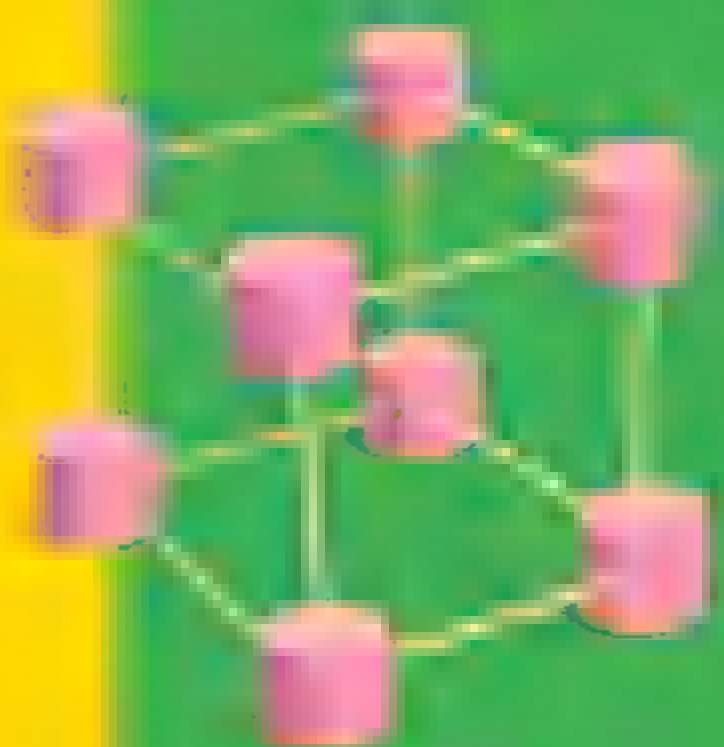
COMPLIMENT SLIPS

Being stuck up with your family may get a little bit stressful, especially if you don't have much space. Ask **everyone** in your household to write something nice about each other and place in separate envelopes. Then, when you ever feel annoyed with each other you can open them up to see what nice things have been said about you!

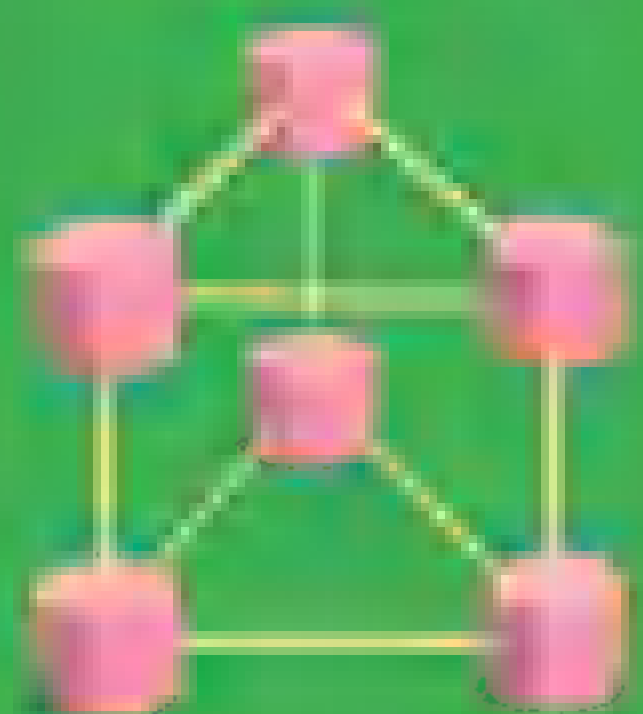
12

MAKE MARSHMALLOW TOWERS

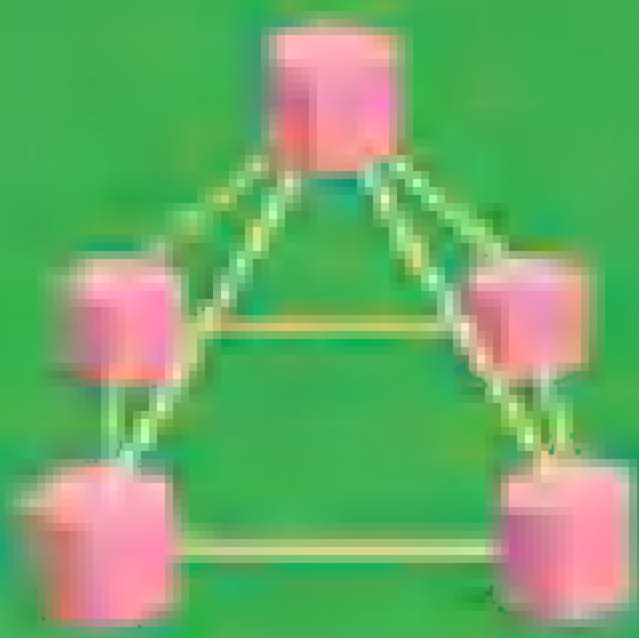
Construct cool structures out of savory sweets and cocktail sticks. Try creating these simple 3-D shapes first...



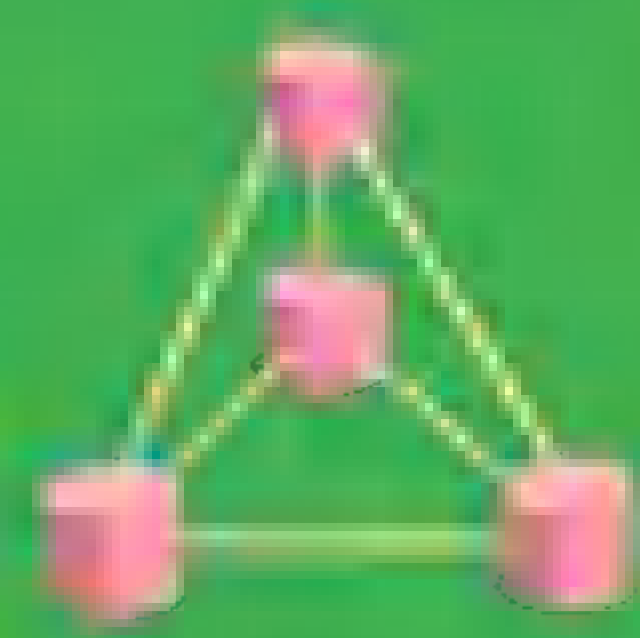
CUBE



PRISM



PYRAMID



TETRAHEDRON

Then have a go at building something spectacular. It's hold a contest to see who can make the **tallest tower**. Sweetest!

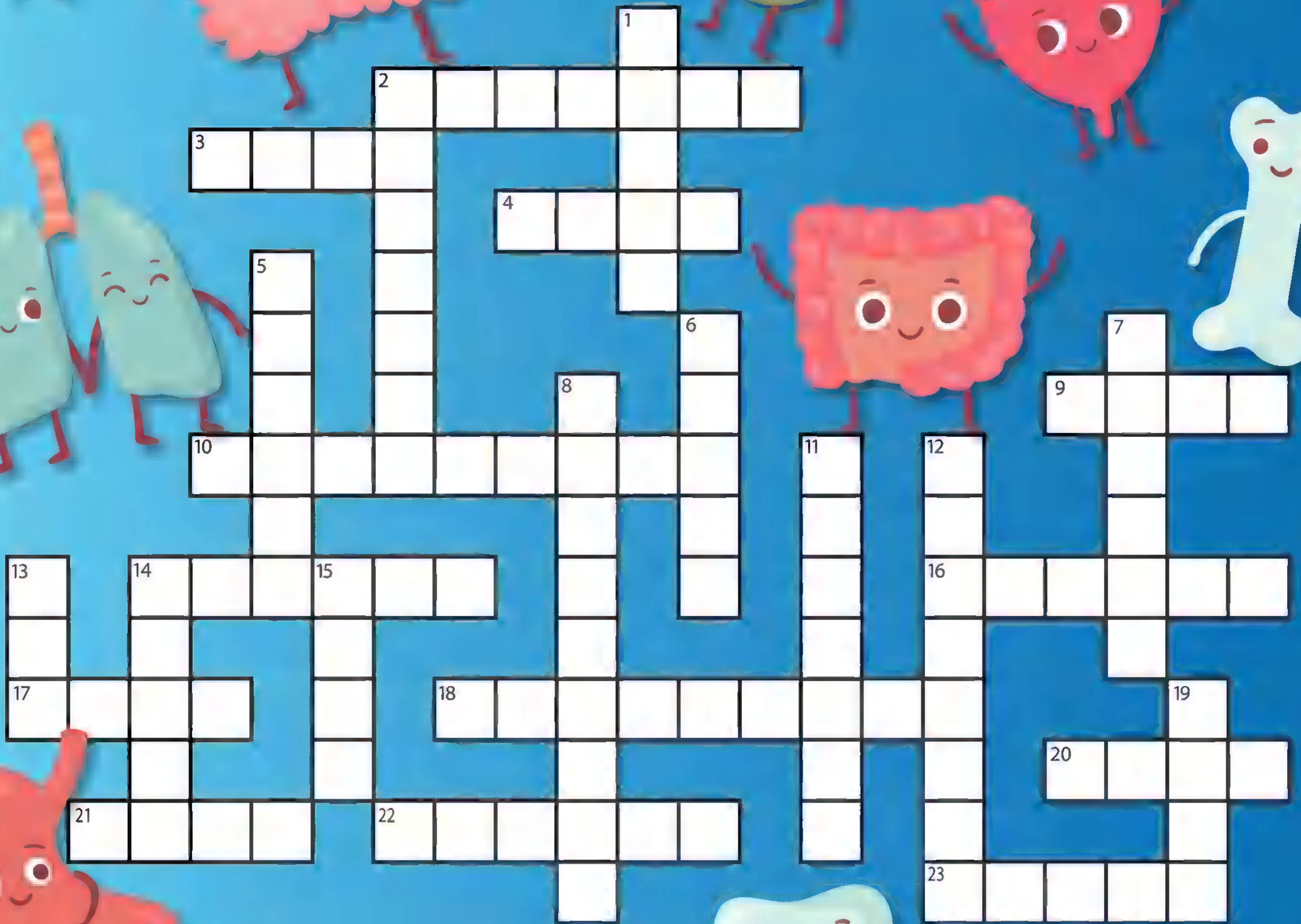


TOP TIP!
You can use plasticine instead of marshmallows.

Marshmallow illustration © Marek Jagucki.
All other pictures © Getty Images UK

BIG BODY CROSSWORD

Have a go at this puzzle to discover how much you know about your amazing anatomy!



ACROSS

- 1** Pair of bean-shaped organs that filter blood and remove waste (7)
- 3** Outer covering of the body (4)
- 4** Organ used for breathing (4)
- 9** Tiny opening in the surface of the skin. Turns into a pimple when blocked (4)
- 10** _____ system. The mouth, stomach and intestine are all part of this (9)
- 14** The scientific word for poop (6)
- 17** Don't put them on the table at mealtimes! (6)
- 18** Where babies grow inside their mum (4)
- 20** Bones along the spine (9)
- 22** Grows around 1.25cm per month (4)
- 23** Coloured part of eye (4)
- 24** Muscle that helps us swallow and taste (6)
- 25** Can be filed, cut and painted (5)

DOWN

- 1** Blood vessel (3)
- 2** Finger joint (7)
- 5** Sharpest type of tooth (6)
- 6** Moisture your body produces to cool you down (5)
- 7** Location of the biggest muscles in your body (6)
- 8** Dome-shaped muscle used in breathing (9)
- 11** Thin stretched tissue that vibrates when sound waves hit it, helping us hear (7)
- 12** Framework of the body, made up of 206 bones in adults (8)
- 13** Moves this around to chew (3)
- 14** Thigh bone (5)
- 15** Back part of lower leg (4)
- 19** Flat, curved bones that form a protective cage around the chest (4)

WILD WORDSEARCH

The creatures hidden in the grid below can all be seen in the bush (or even in backyards!) around Australia. Can you find them all?

B	X	L	Z	E	V	C	X	F	Q	F	C	A	Y	O	R	L	Z	E	T	K	M	R	K	B
V	Q	S	B	K	W	G	N	E	O	H	R	Y	X	H	N	G	X	E	L	K	S	C	B	X
Q	H	T	M	E	E	Y	O	E	G	R	U	T	I	V	K	D	X	L	G	S	A	M	X	L
A	P	Y	T	C	E	L	O	D	U	I	U	N	X	R	V	F	A	F	S	H	R	Y	R	C
G	H	V	K	J	Q	Z	T	B	G	A	O	X	T	X	P	L	E	U	H	M	C	A	P	X
M	R	O	W	H	T	R	A	E	D	C	D	I	T	S	G	S	D	F	Q	M	E	F	S	R
Q	R	R	Q	K	T	K	K	A	E	V	P	M	U	C	M	W	W	L	Y	A	M	L	O	Q
O	U	E	A	Z	O	G	C	R	U	B	G	F	C	A	Q	A	F	Z	E	E	S	D	T	M
W	T	X	B	O	T	I	O	D	T	L	S	B	H	E	P	P	N	M	M	C	K	D	I	V
P	F	N	K	L	C	S	C	E	I	P	G	A	M	T	H	B	K	S	P	X	A	A	Q	C
C	O	W	A	D	B	A	K	D	X	S	L	X	M	Y	T	Q	D	L	P	K	T	A	A	U
L	G	O	T	E	U	B	C	D	Z	A	X	D	Z	T	N	Q	G	A	U	I	Y	S	I	O
B	K	W	E	S	U	G	A	R	G	L	I	D	E	R	S	H	Z	T	G	R	D	H	O	Z
R	M	T	W	Q	X	L	L	A	H	L	S	M	I	L	L	I	P	E	D	E	I	E	N	E
M	L	W	O	O	A	O	B	G	I	M	K	O	A	U	V	N	R	R	G	X	D	A	R	N
E	T	E	D	O	P	P	V	O	D	B	U	C	L	S	O	M	I	H	I	D	B	Z	A	L
U	G	E	K	T	C	M	P	N	H	E	E	G	K	U	O	G	H	U	C	N	U	Z	B	C
U	Q	N	E	I	V	I	U	F	A	W	U	C	E	T	R	O	Z	C	W	A	E	C	N	H
U	E	X	R	H	X	Y	D	Y	I	P	W	Y	H	S	A	G	E	E	S	J	U	Q	P	G
U	Z	W	S	V	W	C	I	N	F	N	K	E	Q	I	G	B	H	A	T	W	X	K	A	C
Q	K	U	U	U	Q	M	G	V	A	L	G	X	X	Q	N	Y	M	L	W	K	Z	K	T	M
W	U	U	X	W	Z	U	G	B	C	B	Q	P	O	D	A	R	D	O	I	W	X	D	U	Q
R	U	D	R	L	G	Y	B	F	J	K	P	W	U	I	K	Q	F	U	W	J	Y	W	C	S
J	P	D	Y	Y	A	N	D	I	H	C	E	O	Z	Z	G	A	R	A	O	S	K	M	S	S
B	R	W	F	B	Q	H	K	L	Y	M	U	O	W	X	C	C	D	V	Q	W	T	K	Y	F

BANDICOOT ☐ BEARDED DRAGON ☐ BLACK COCKATOO ☐
 BLUE ANT ☐ CHRISTMAS BEETLE ☐ CICADA ☐
 EARTHWORM ☐ ECHIDNA ☐ GALAH ☐ GECKO ☐
 HUNTSMAN SPIDER ☐ KANGAROO ☐ KATYDID ☐
 KOALA ☐ KOOKABURRA ☐ LACEWING ☐ MAGPIE ☐
 MILLIPEDE ☐ RHINOCEROS BEETLE ☐
 SUGAR GLIDER ☐ TIGER MOTH ☐ WOMBAT ☐

Add a tick next to all the ones you've seen in real life!

IT'S A JUNGLE OUT THERE!

Ask a friend to give you words to fill in the blanks in this story without showing it to them. Then read it out loud for a laugh.

GRAMMAR TERMS!

Noun – a person, place or thing

Verb – an action word that describes what a person or thing does

Adjective – a word that describes a noun

Adverb – a word that describes a verb



My friends _____ and I invented a shrinking machine. But before we could show it off, we had to test it.
name of three celebrities

I put a(n) _____ on a garden table, aimed the machine and _____ the button.
noun **past-tense verb**

Then there was a mighty _____. Suddenly we saw a ginormous green thing towering above us. It was
sound

(a) _____. We'd accidentally shrunk *ourselves*! We looked up and saw a _____ -
type of green plant **large number**

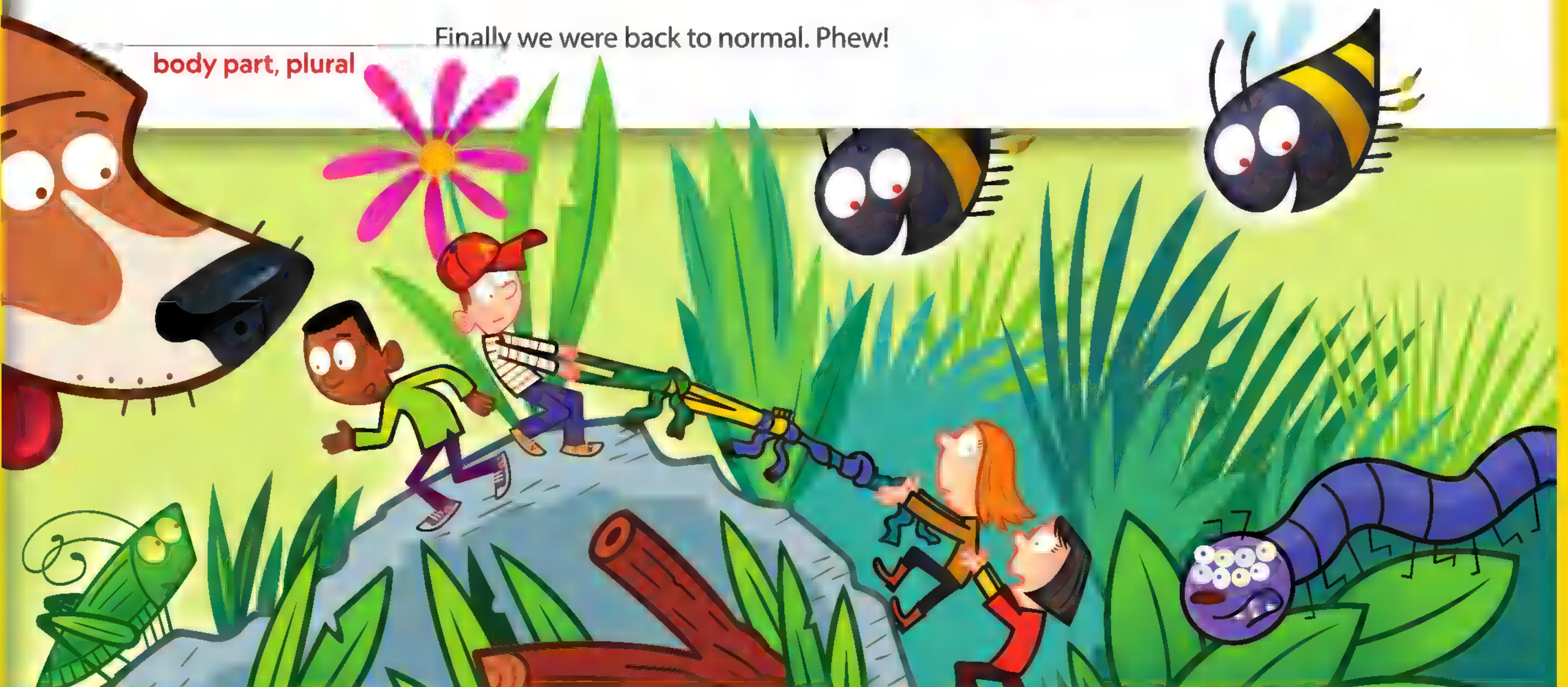
metre-tall _____ heading towards us! My friend quickly scaled a nearby _____, while
creepy crawly **something in the garden**

the rest of us tied our _____ together to make a rope. Then our friend pulled us to safety, with the creature
article of clothing, plural

_____ towards us. A loud _____ noise filled the air, it was a _____!
verb ending in -ing **noise ending in -ing** **flying insect**

It picked us up, dropping us on top of our machine. We bundled together to _____ on the button. I opened my
verb

_____. Finally we were back to normal. Phew!
body part, plural



STUMP YOUR PARENTS

Have a go at these tricky questions and then get your folks to try. Can you get a higher score than them?!

- 1 Which of these wacky festivals is real?**
 A. Lumberjack World Championships in Wisconsin, USA
 B. Bog Snorkelling Championships in Llanwrtyd Wells, Wales
 C. Wife Carrying Race in Dorking, England
 D. All of the above

- 2 Which of these planets is furthest from the Sun?**
 A. Earth C. Mercury
 B. Neptune D. Saturn

- 3 The first compasses were made in**
 A. China C. Peru
 B. Portugal D. Zimbabwe

- 4 A person who studies trees is called a(n).....**
 A. Dendrologist C. Optimist
 B. Etymologist D. Geologist

- 5 How many scoops of ice-cream does the average person in New Zealand eat per year?**
 A. 2
 B. 25
 C. 255
 D. 600

- 6 Which of these statements is false? Two-toed sloths**
 A. Are often covered in algae
 B. Hang upside down
 C. Are completely blind
 D. Eat leaves

- 7 A group of grasshoppers is called a**
 A. Cloud C. Bloat
 B. Pod D. Scrum

- 8 Which of these animals is the world's largest rodent?**
 A. Chipmunk C. Capybara
 B. Black rat D. Marmot

- 9 Alfred Nobel, the man who created the Nobel Peace Prize, also invented**
 A. Lightbulbs C. Hot chocolate
 B. Sleeping bags D. Dynamite

- 10 Match each country to the currency it uses.**
- | | |
|---------------|------------|
| A. Canada | 1. Metical |
| B. England | 2. Euro |
| C. Poland | 3. Dollar |
| D. Spain | 4. Pound |
| E. Mozambique | 5. Zloty |



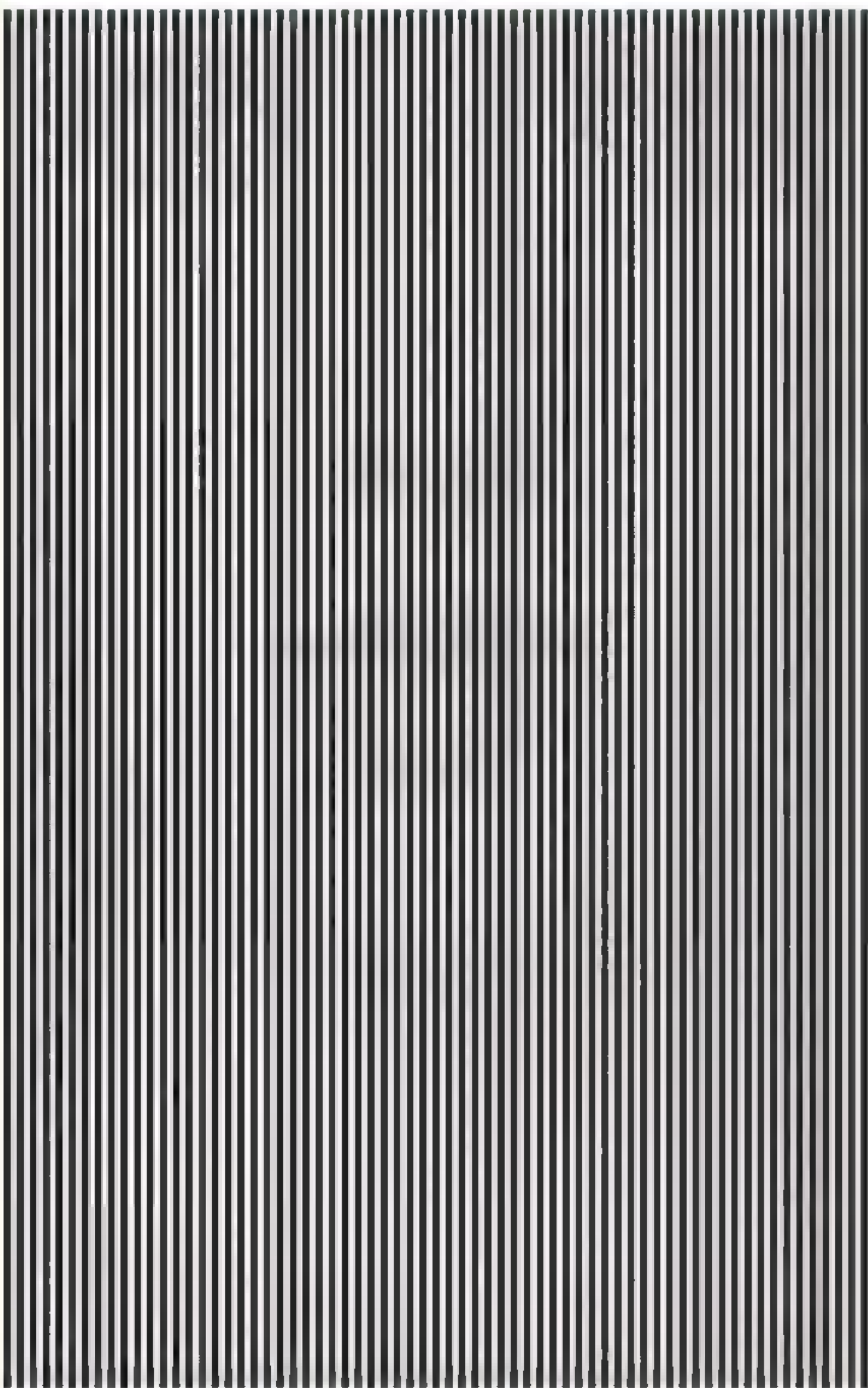
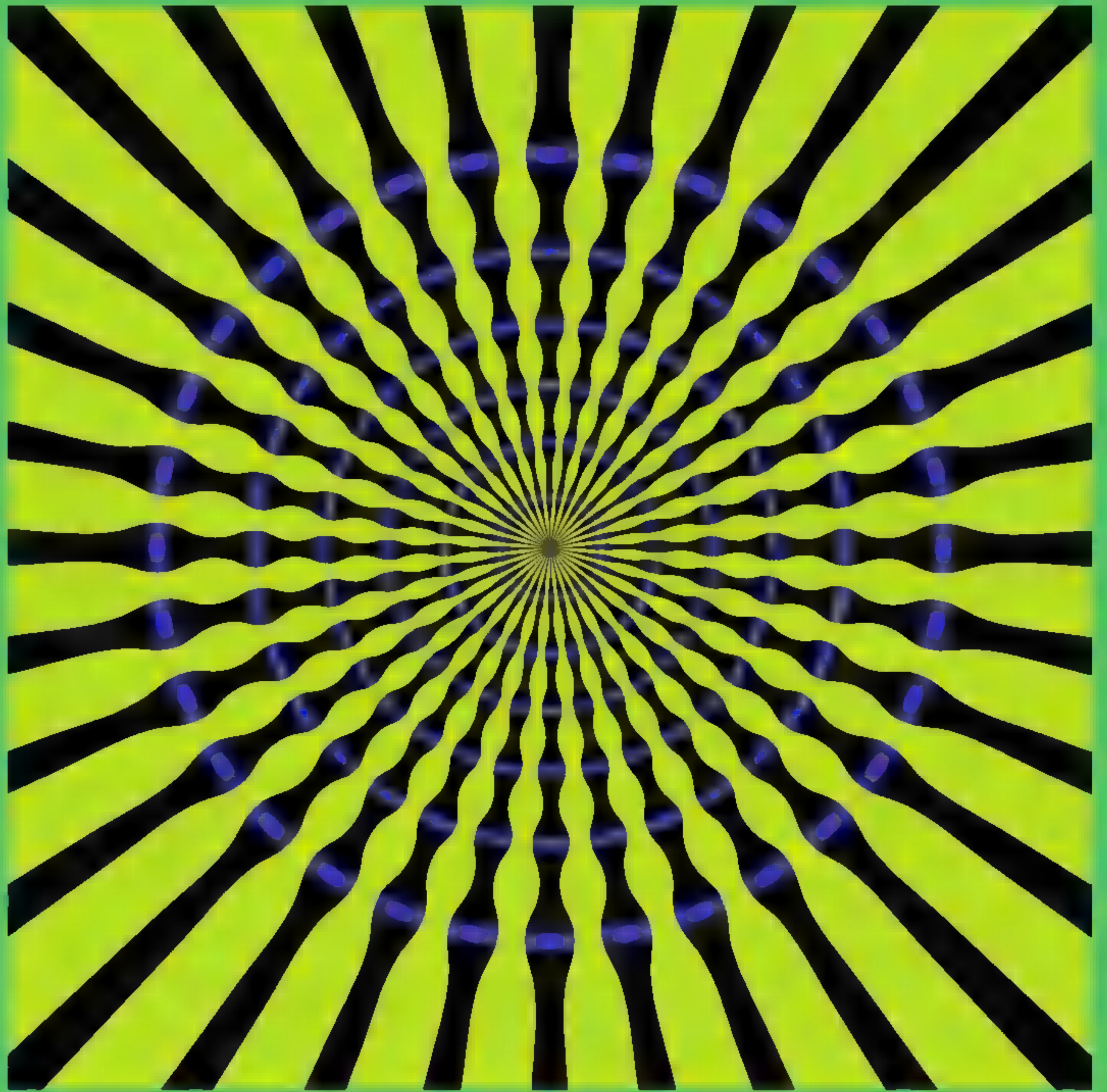
XTREME ILLUSIONS

Your brain is incredibly powerful – but that doesn't mean it can't be fooled! Take a look at these quirky images to bamboozle your mind!

TAKE THE PULSE

DO THIS Glance at all the circles in this design. The shapes will look as if they're **pulsing**.

WHAT'S UP? Every second, your eyes make several movements. The motions are so tiny you don't even realise they're happening. Once you shift your gaze, your brain is left with an **after-image** of what you just saw. Your **mind** combines this after-image with your current view, causing the circles to appear as if they're pulsing. You can stop this effect by focussing very hard on one spot in the picture.



FACE MASK

DO THIS Move the picture from side to side to make a **face** appear.

WHAT'S UP? The white stripes contain sections of a light-grey pattern that together make a face. But the face is hard to **see** – the pattern is faint and the **black lines draw away your attention**. When you move the image quickly back and forth, the white lines appear to merge and the pattern comes together to reveal a human face.

GET IT STRAIGHT

DO THIS Gaze at the design. Are these chequered frames **straight** or **curved**? Grab a ruler to find out the truth.

WHAT'S UP? The frames appear to bend, but they're actually straight. The **tiny black-and-white squares** within the chequered pattern form **curves**, causing your brain to perceive the frame borders as wavy. If these small squares were removed, the frames would look straight.



FUN STUFF MAKE IT DINO FEET

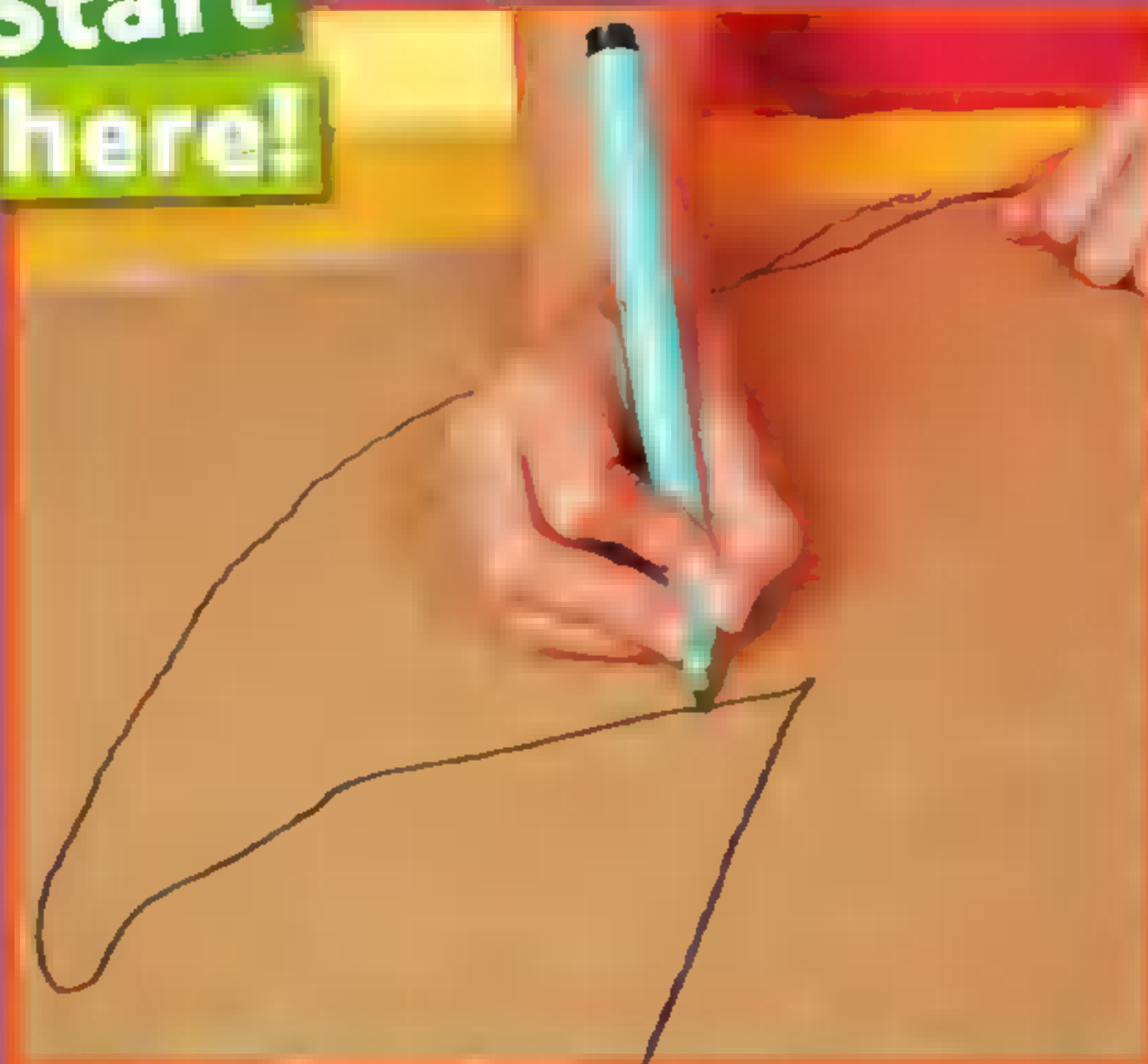
Make yourself some huge scary stompers!



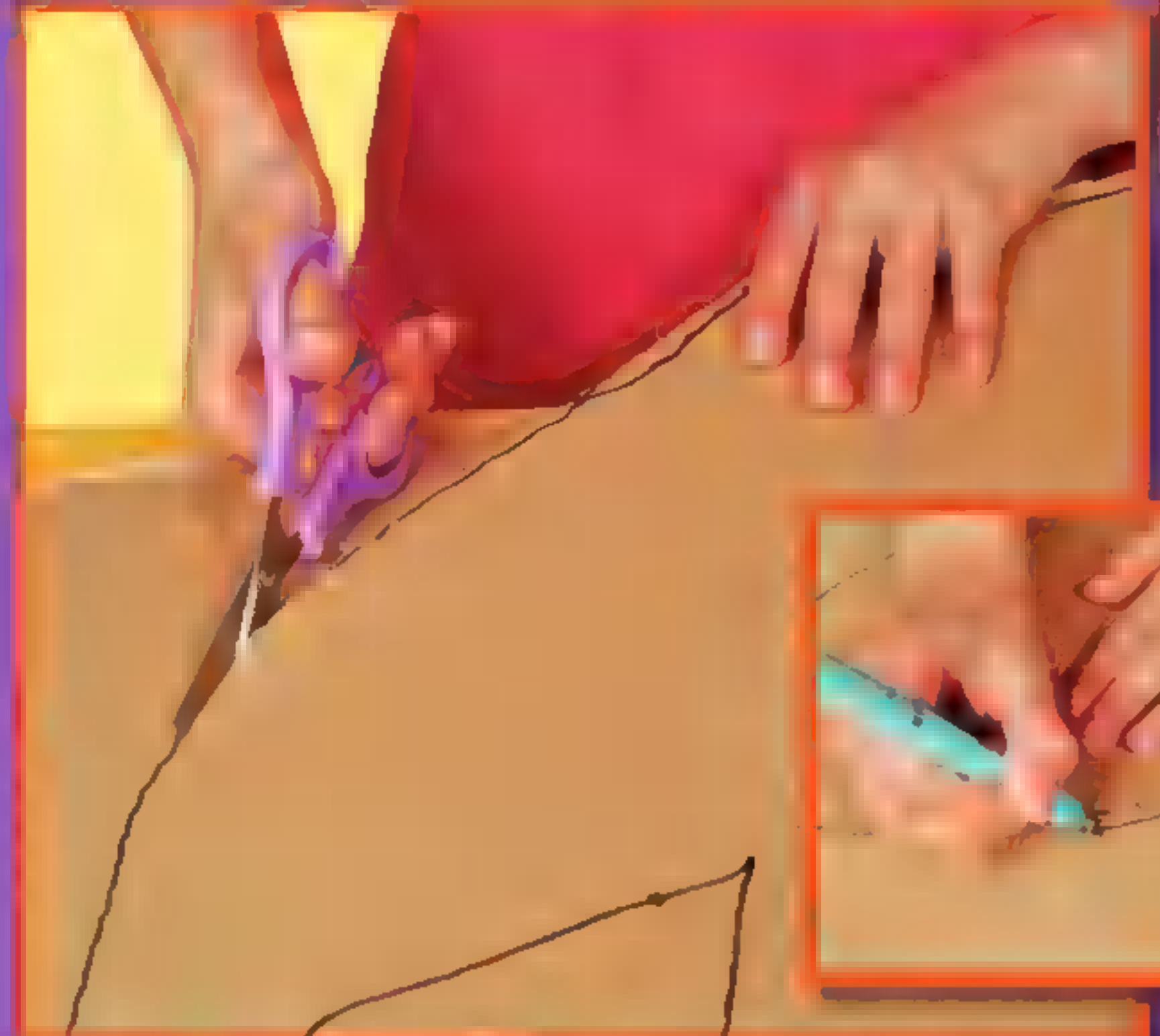
What
you'll
need

- Large cardboard box
- Felt-tip pens
- Paints
- Green ribbon or string
- Green socks (optional)
- Scissors

Start
here!



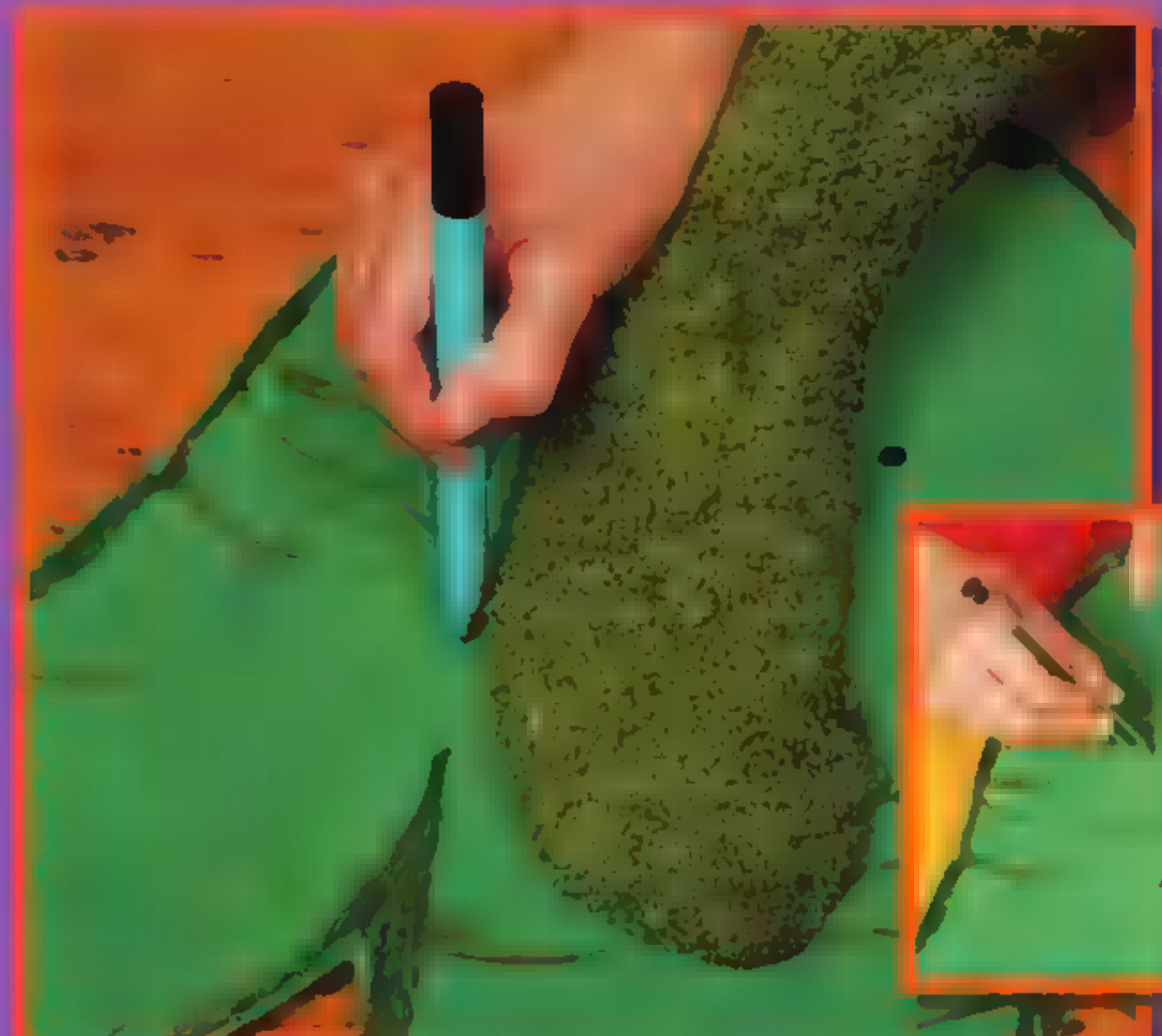
1 Cut the two largest sides from your cardboard box. Draw the outline of a big three-toed dinosaur footprint on one of them.



2 Cut out the footprint, then draw around the shape onto the other piece of cardboard. Cut that out, too.



3 Paint your cardboard feet green and leave them to dry. Then paint on some red claws, adding details with felt-tip pens.



4 When dry, stand on your dino feet and make two dots either side of each foot. Using a sharp pencil, make holes through the dots.

TOP TIP

Make an extra pair for anyone who also loves dino zones with them!



5 Thread some ribbon through the holes and tie on your dino feet!





FUN STUFF ANSWERS

MATCHING MAX (page 9)

3 and 5 are the same

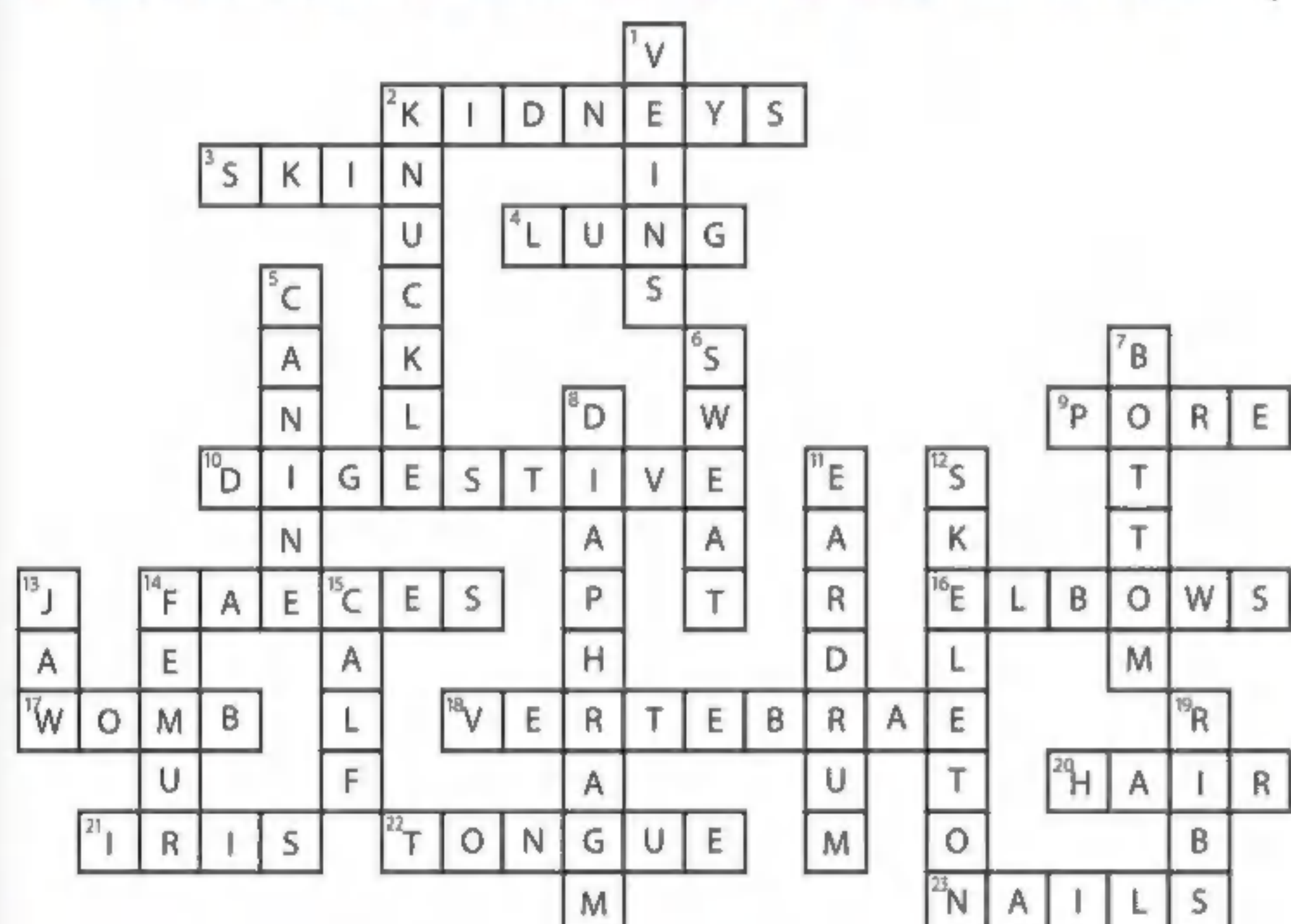
HELP FIND SLIME! (page 37)

C leads to Slime

SLIME SEARCH (page 37)

U M Y M L N L W T F V M E E G
X A K U S F Z S L I M E S D E
A N U M F I A P D Y Q T B M N
I X S N L Y C Q C Q P H J U T
L X R K T B J A N Z O A E N P
U L V O E G M C I B Y G F D N
K W A L T E R W R A T H O E O
L E I N S I A E D R G J Z N N
P I P L O N O S T Q U B Y V L
L I J I F W G B N A S Z L Y M
V E R E F K M H I Q G D B G O
R M B Q M B K D E H S R T M P
B X Z E P I V M Q D N Q E N B
T U N M G S M C A F K U P E W
X J Z K P C J A E N E D K F D

BUMPER BODY CROSSWORD (page 43)



WILD WORDSEARCH (page 44)

B X L Z E V C X F Q F C A Y O R L Z E T K M R K B
V Q S B K W G N E O H R Y X H N G X E L K S C B X
Q H T M E Y O E G R U T I V K D X L G S A M X L
A P Y T C E L O D U I U N X R V F A F S H R Y R C
G H V K J Q Z T B G A O X T X P L E U H M C A P X
M R O W H T R A E D C D I T S G S D F Q M E F S R
Q R R Q K T K K A E V P M U C M W W L Y A M L O Q
O U E A Z O G C R U B G F C A Q A F Z E E S D T M
W T X B O T I O D T L S B H E P P N M M C K D I V
P F N K L C S C E I P G A M T H B K S P X A A Q C
C O W A D B A K D X S L X M Y T Q D L P K T A A U
L G O T E U B C D Z A X D Z T N Q G A U Y S I O
B K W E S U G A R G L I D E R S H Z T G R D H O Z
R M T W Q X L L A H L S M I L L I P E D E E N E
M L W O O A O B G I M K O A U V N R G X D A R N
E T E D O P P V O D B U C L S O M I H I D B Z A L
U G E K T C M P N H E E G K U O G H U C N U Z B C
U Q N E I V I U F A W U C E T R O Z C W A E C N H
U E X R H X Y D Y I P W Y H S A G E E S J U Q P G
U Z W S V W C I F N K E Q I G B H A T W X K A C
Q K U U U Q M G V A L G X X Q N Y M L W K Z K T M
W U U X W Z U G B C B Q P O D A R D O I W X D U Q
R U D R L G Y B F J K P W U I K Q F U W J Y W C S
J P D Y Y A N D I H C E O Z Z G A R A O S K M S S
B R W F B Q H K L Y M U O W X C C D V Q W T K Y F

STUMP YOUR PARENTS (page 46)

1-D; 2-B; 3-A; 4-A; 5-C; 6-C; 7-A; 8-C; 9-D; 10. a-3; b-4; c-5; d-2; e-1.

THE LAST LAUGH

Q. What do you call a dinosaur fart?

A. A blast from the past!

Q. What do you call a frog with no legs?

A. Unhopper!

Q. Did you just pick your nose?

A. No, I was born with it!

Q. What's big, grey and protects you from the rain?

A. An umbrellaphant!

Q. What did the spaghetti parent say to the spaghetti child?

A. It's pasta your bedtime!

Q. What's a grasshopper's favourite sport?

A. Cricket!

Q. What do you call a clever bird of prey?

A. A know it owl!

Q. What's the most dangerous part of the human body?

A. The shoulder blades!

Q. What's a sheep's favourite sport?

A. Baa-dminton!

Q. What do you get when a cow jumps on a trampoline?

A. A milk shake!

Q. What time is it when a rhino sits on your bed?

A. Time to get a new bed!

Q. What's a panda's favourite cheese?

A. Camembear!

Q. What do you call a pig with three eyes?

A. A piiig!

**weird
but
true!**

Check out these
outrageous facts...



AT FRANCE'S ANNUAL
PIG-SQUEALING CHAMPIONSHIPS,
PEOPLE IMITATE THE ANIMALS WITH
SQUEALS, GRUNTS AND SNUFFLES.

BABIES
HAVE
**TASTE
BUDS**
IN THEIR
CHEEKS.

SPIDER SILK
IS USED TO MAKE
FISHING NETS
IN SOME COUNTRIES.

THE
**HUMAN
BODY**
CONTAINS
A TINY
AMOUNT
OF
GOLD.

A **HORSE** FROM
MISSOURI, USA, IS **SO SMALL**
SHE SLEEPS IN A
DOG KENNEL.



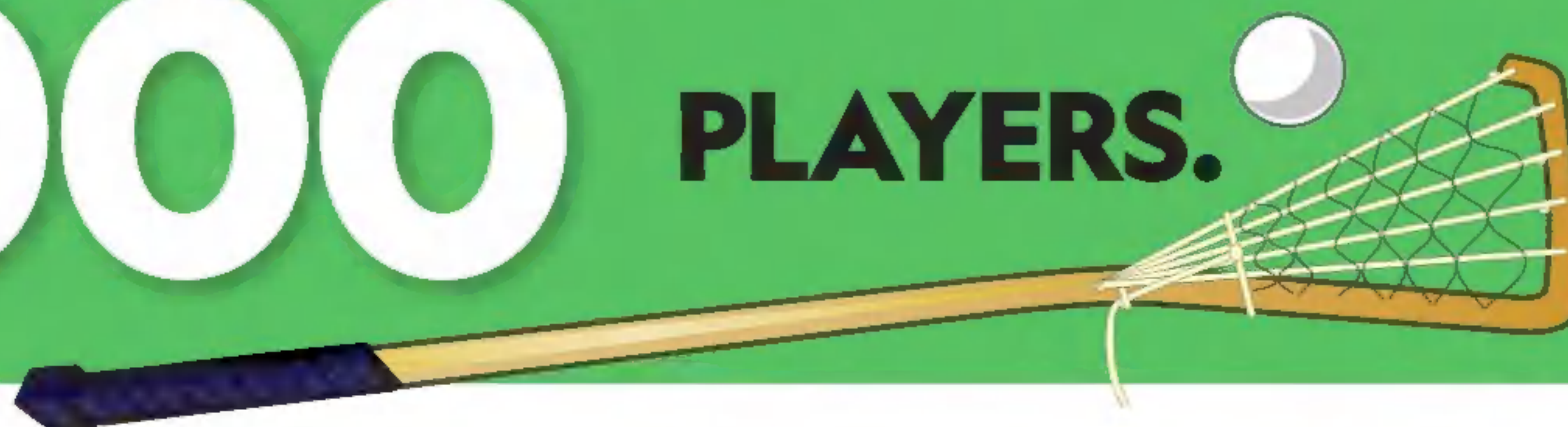
BUILDERS OF
**JAPAN'S
NIJO CASTLE**
CREATED
**SQUEAKY
FLOORS**
TO PREVENT
**STEALTHY
INTRUDERS.**



FINLAND
HOLDS
AN
ANNUAL
**MOBILE
PHONE-
THROWING
CONTEST.**



EARLY **LACROSSE MATCHES** HAD UP TO
1,000 **PLAYERS.**



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SOUND**
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HISTORY WAS
CREATED BY
THE VOLCANO
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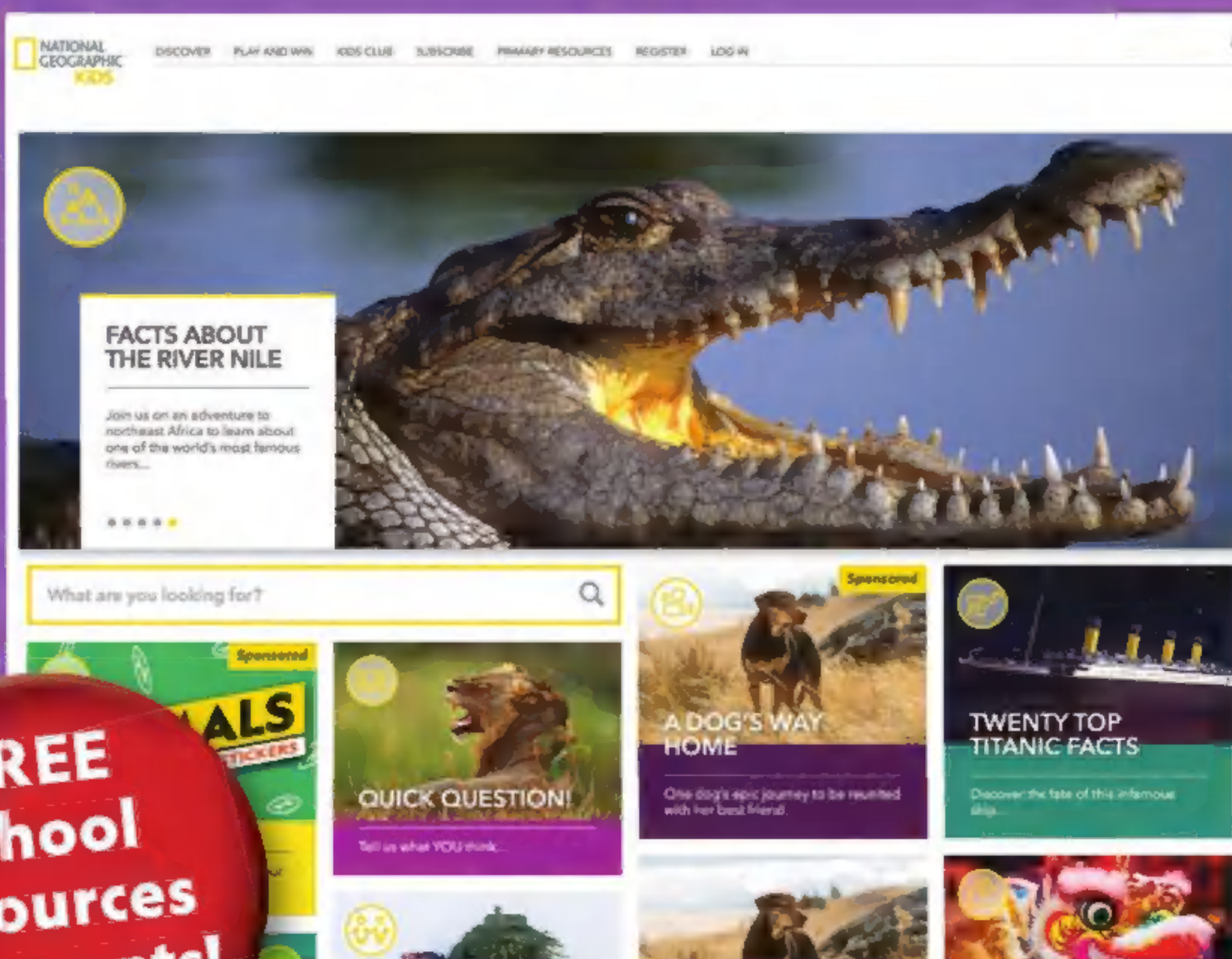
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**5 amazing
koala rescues!**

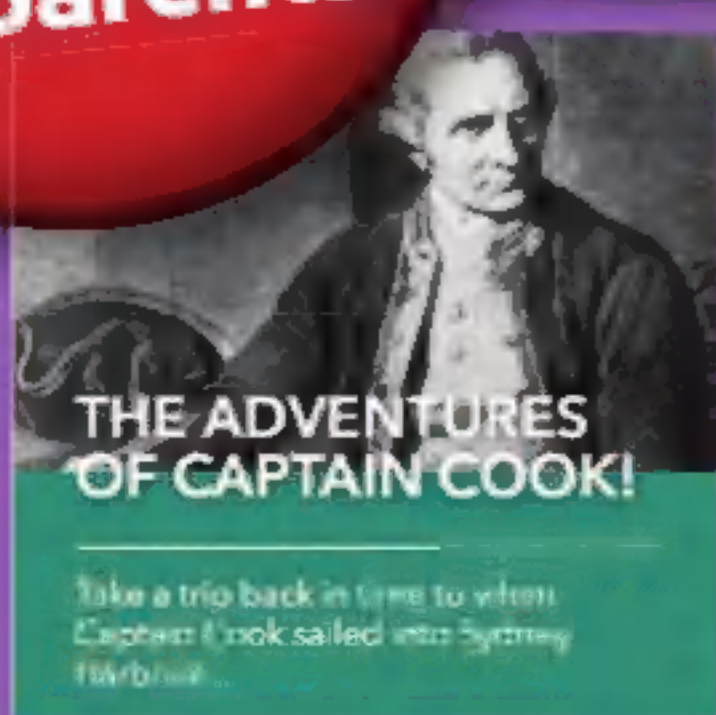
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